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The 1985-1988 Lower Fraser River Sport Fishery Study: Basic Catch and Effort Data by Study Site

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THE 1985-1988 LOWER FRASER RIVER SPORT FISHERY STUDY: BASIC CATCH AND EFFORT DATA BY STUDY SITE

by

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ERRATA

The Abstract (Page xiv) should read: "57,124 angler interviews (rather than 57,091) were obtained from 21 (rather than 25) sampling sites ...".

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ABSTRACT

Schubert, N.D. 1992. The 1985-1988 lower Fraser River sport fishery study: basic catch and effort data by study site. Can. Data Rep. Fish. Aquat. Sci. 886: 140 p.

The sport fishery in the lower 150 km of the Fraser River was assessed using an access point-overflight study design from 1985 to 1988. Over the course of the study, 202 overflights were conducted and 57,091 angler interviews were obtained from 25 sampling sites to estimate monthly angler effort, and the harvest (marked and unmarked) and release of salmon (*Oncorhynchus spp.*), trout (*Salmo spp.*), char (*Salvelinus spp.*) and sturgeon (*Acipenser spp.*). This report provides mean monthly angler counts for weekdays and weekends and, for the 25 survey sites, monthly summaries of interview responses and monthly estimates of angler effort, hourly angler effort profiles, harvest by species and mark type, and release by species. The purpose of the report is to serve as a source document in the planning of future studies.

Key words: lower Fraser River, recreational fishery, angler effort, harvest, release, salmon, trout, char, sturgeon.

RÉSUMÉ

Schubert, N.D. 1992. The 1985-1988 lower Fraser River sport fishery study: basic catch and effort data by study site. Can. Data Rep. Fish. Aquat. Sci. 886: 140 p.

Entre 1985 et 1988, on a estimé la pêche récréative dans les derniers 150 km du Fraser en procédant par survol des points d'accès. Pendant la durée de l'étude, il y a eu 202 survols et 57 091 interviews de pêcheurs sportifs à la ligne rencontrés à 25 stations d'échantillonnage, afin d'estimer l'effort mensuel de pêche à la ligne ainsi que la récolte (de sujets marqués ou non) et la remise en liberté, par espèce, de saumon (*Oncorhynchus spp.*), de truite (*Salmo spp.*), d'omble (*Salvelinus spp.*) et d'esturgeon (*Acipenser spp.*). Cet article indique le nombre moyen mensuel de pêcheurs à la ligne selon les jours de semaine et les selon les weekends ainsi que, pour les 25 stations d'observation, des résumés mensuels des résultats d'interviews ainsi que des estimations mensuelles de l'effort de pêche à la ligne, des profils horaire d'efforts de pêche à la ligne, la récolte par espèces et par type de marques ainsi que les remises en liberté par espèces. Cet article est destiné à servir de document de référence en vue de la planification de nouvelles études.

Mots clés: cours inférieur du Fraser, pêche récréative, effort de pêche à la ligne, récolte, remise en liberté, saumon, truite, omble, esturgeon.

INTRODUCTION

The Fraser River below Hope supports a year round recreational fishery for salmon (*Oncorhynchus spp.*), trout (*Salmo spp.*), char (*Salvelinus spp.*) and sturgeon (*Acipenser spp.*). Preliminary fishery studies in 1982 (Mosley MS 1983) and 1984 (DPA Group MS 1985a) indicated the lower Fraser River fishery was among the largest river sport fisheries in British Columbia. These studies provided the basic data used in the design of the current study, the first comprehensive assessment of this fishery.

This report, intended as a source document for the planning of future studies, provides detailed study results for each fishing site surveyed in 1985-1988. The report summarizes angler interview responses by site and provides monthly estimates of the hourly angler effort profile, total angler effort, harvest by species and mark type, and release by species. A companion report (Schubert 1992) describes the study design and field procedures and discusses study results by survey region.

STUDY AREA DESCRIPTION

The study focused on the Fraser River sport fishery in the lower 150 km below Hope (Fig. 1). In this area, the river flows through a wide alluvial valley bounded to the north by the Coast Mountains. The river channel has an average width of 600 m, with a maximum freshet width of 5 km in some areas (Fraser *et al.* 1982). The river is tidal as far upstream as Chilliwack (90 km). Anglers fish primarily from shore or midchannel gravel bars using rods, set in rod holders, rigged with 57 g sinkers and drop leaders. Few anglers fish from boats, except in the fall off Sumas and Coquitlam rivers, Nicomen Slough, and at Tree, Brownsville and Edgewater bars.

The study area was divided into four regions delineated by three tributaries: the Pitt, Vedder-Chilliwack (via Sumas River) and Harrison rivers. Fishing sites where surveyors were stationed for at least one month during the four year study (Table 1) are described below. The sites are listed by region in geographic order.

REGION 1

Region 1 extends from the mouth (in 1985 only, from the George Massey Tunnel on the Main Arm and the Oak Street Bridge on the North Arm) to the Pitt River (Fig. 2). The region includes the main channel, the North and Middle arms and other smaller channels such as Sea Reach, Canoe Pass and Annacis Channel. Virtually all Region 1 fishing sites are accessible by road. Surveyors were stationed at up to five sites:

River Road Bar is on the south shore of the North Arm, 16 km from the mouth. When not obstructed by log booms, anglers fish from several small clearings along the shore.

Byrne Road Bar is located in Fraser River Municipal Park on the north shore of the North Arm, 17 km from the mouth. Anglers fish along the river bank.

Tree Bar is on the south shore of the North Arm near Tree Island, 18 km from the mouth. Anglers fish from the dyke along River Road, and from boats.

Richmond Dump Bar is on the north shore of the main channel, 13 km from the mouth. Anglers fish from a long, broad, sandy beach adjacent to the Richmond Dump.

Brownsville Bar is on the main channel immediately downstream from the Pattullo Bridge. Anglers fish from a small, sandy beach and occa-

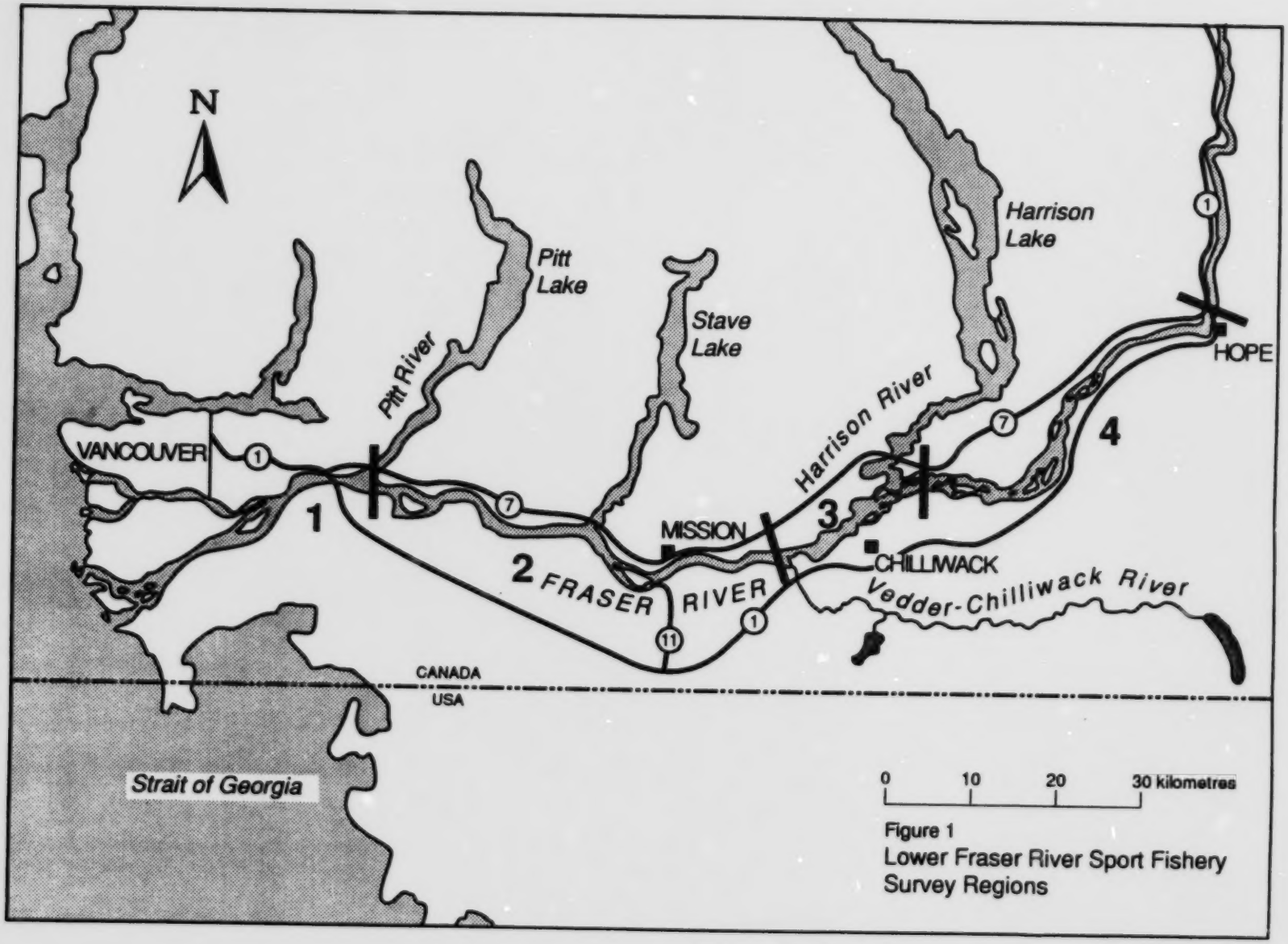

Figure 1
Lower Fraser River Sport Fishery
Survey Regions

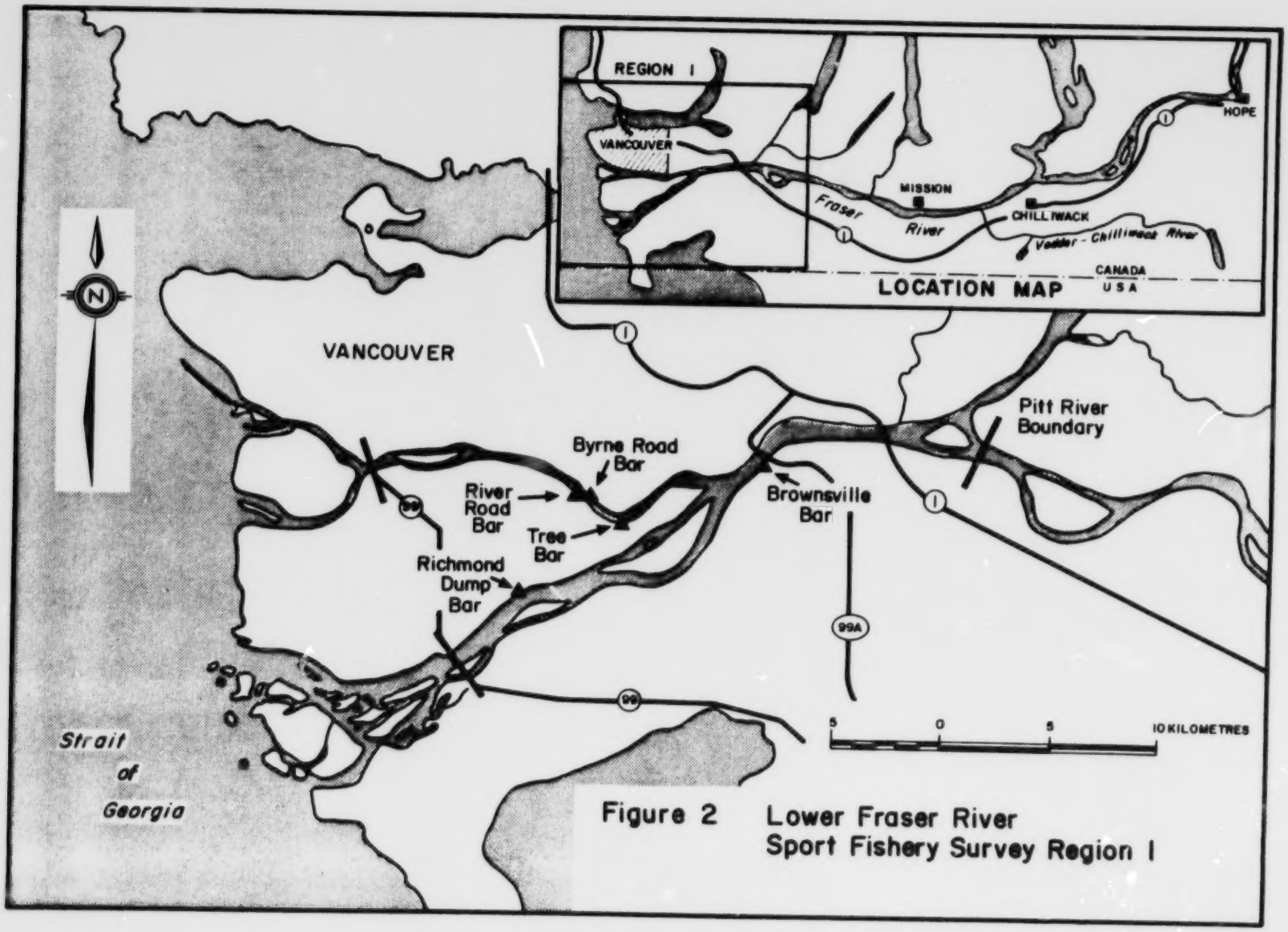

Figure 2 Lower Fraser River
Sport Fishery Survey Region 1

Table 1. Allocation of surveyors, by year, month, region and bar, in the 1985-88 lower Fraser River sport fishery. a

		Region 1				Region 2						Region 3						Region 4
Year	Month	Brownsville	Richmond Dump	River Road	Tree Island	Duncan	Edgewater	Poplar	Ridgedale	Standard Gas	Two Bit	Bowmans	Englebrich	Grassy Bank	Queen's Island	Sumas Mouth	Wing Dam	Ferry Island
1985	September b	+	+	-	-	+	+	-	-	+	-	+	+	-	-	-	+	+
	October	+	+	-	+	+	+	-	-	+	-	+	+	-	-	-	+	+
	November	+	-	-	+	+	+	-	-	+	-	-	+	+	-	-	+	+
1986	May	+	-	+	-	+	+	+	-	+	-	-	+	-	-	-	+	-
	June	+	-	+	-	+	+	-	-	+	-	-	+	-	-	-	-	-
	July	+	+	-	-	+	+	-	-	+	-	-	+	-	-	-	-	-
	August	+	+	-	-	+	+	-	-	+	-	-	+	-	-	-	+	+
	September	+	-	+	-	+	+	-	-	+	-	+	+	-	-	-	+	+
	October	+	-	+	+	+	+	-	-	+	-	+	+	-	-	-	+	+
	November	+	-	+	+	+	+	-	+	+	+	+	+	+	-	-	+	+
	December c	+	-	-	-	+	+	-	+	+	-	-	+	+	+	-	-	+
1987	March	+	-	-	-	+	+	-	-	+	-	-	-	-	+	-	-	-
	April	+	-	-	-	+	+	-	-	+	-	-	-	+	+	+	-	-
	May	+	-	-	-	+	+	-	-	+	-	-	-	-	+	+	-	-
	June	+	+	-	-	+	+	+	-	+	-	-	-	-	+	+	-	-
	July	+	+	-	-	+	+	+	+	+	-	-	-	-	+	-	-	-
	August	+	+	-	-	+	+	-	+	+	-	+	-	-	+	+	-	+
	September	+	-	+	-	+	+	-	-	+	-	+	+	-	-	-	+	+
	October	+	-	-	+	+	+	-	-	+	-	+	+	-	-	-	+	+
	November	+	-	-	+	+	+	-	+	+	-	+	+	-	-	-	+	+
	December	-	-	+	-	-	+	+	+	+	-	-	-	+	-	-	-	+
1988	April	+	-	-	-	+	+	-	-	+	-	-	-	-	-	-	-	-
	May	+	-	-	-	+	+	-	-	+	-	-	-	-	-	-	-	-
	June	+	+	-	-	+	+	-	-	+	-	-	-	-	+	-	-	-
	July	+	+	-	-	+	+	-	-	+	-	-	+	-	+	-	+	-
	August	+	+	-	-	+	+	-	+	+	-	+	+	-	+	-	+	-
	September	+	-	+	-	+	+	-	+	+	-	+	+	-	+	-	+	-
	October	+	-	-	+	+	+	-	+	+	+	+	+	-	-	-	+	-
	November	+	-	-	+	+	+	-	+	+	+	+	+	-	-	-	-	-
	December	-	-	-	+	+	+	-	-	+	-	-	+	-	-	-	-	-

a. "+" indicates the site was surveyed in that month; see figures 2-5 for site locations.
b. Additional sites: Hepner's Bar in Region 3; Morrow's Bar in Region 4.
c. Additional sites: Byrne Road Bar in Region 1; Dewdney Bar in Region 2.

sionally from boats anchored offshore. The construction of the SkyTrain Bridge in 1987 hindered angling and made angler counts difficult.

REGION 2

In Region 2, extending between the Pitt and Sumas rivers (Fig. 3), the river is confined largely to a single channel. In the upper part of the region, the Mission Bridge forms the regulatory boundary between the tidal and nontidal portions of the river. Most Region 2 sites are accessible by road. Surveyors were stationed at up to seven sites:

Edgewater Bar is a long, broad, sandy beach on the south shore, 46 km from the mouth. Anglers fish from the beach, from log booms immediately up and downstream, and from boats. Because the site is located in Derby Reach Regional Park, many anglers camp overnight.

Two Bit Bar is a short, narrow site on the south shore, 60 km from the mouth. It is one of the Glen Valley bars (Mosley MS 1983), a series of sites along an 8 km section of the Fraser River. Angler effort shifts between these bars with annual changes in the river channel and water level.

Poplar Bar is a small Glen Valley bar opposite Crescent Island, 61 km from the mouth. Anglers fish from a flat beach or from the top of the bank.

Duncan Bar is a 1 km long, narrow beach located 63 km from the mouth. This site had the largest number of anglers among the Glen Valley bars.

Standard Gas Bar is a long, broad beach on the south shore immediately downstream from the Mission Bridge, 74 km from the mouth. Anglers fished from the beach.

Ridgedale Bar is a short, sandy beach on the south shore, 77 km from the mouth. Anglers fish from the beach.

Dewdney Bar is a 1 km long site on the north shore downstream from Nicomen Slough, 83 km from the mouth. Anglers fish along the dyke and from boats. Shore based angling was minor until the final study years when the dyke was improved and the bank riprapped.

REGION 3

In Region 3, extending between the Sumas and Harrison rivers (Fig. 4), the gradient is higher and the river braids into channels separated by gravel bars and treed islands. Access to many Region 3 sites is difficult, requiring a long walk or a boat. Surveyors were stationed at up to seven sites:

Sumas River Mouth is on the south shore, 89 km from the mouth. Anglers fish from boats in the lower Sumas River and in the Fraser River at the Sumas River mouth. Shore based effort was minor.

Hepner's Bar is a small beach on the south shore at the outlet of a large bay, 90 km from the mouth. The site is upstream from the Sumas River and opposite Bowman's Bar.

Bowman's Bar is a series of midchannel islands located 90 km from the mouth. Anglers camp on the islands and fish along the south shore. The site is under water until August.

Wing Dam Bar is a small beach on the north shore, 95 km from the mouth. Many anglers camp overnight.

Grassy Bank Bar is a 1 km long site on the north shore, 96 km from the mouth. Anglers fish from a small beach or from the dyke.

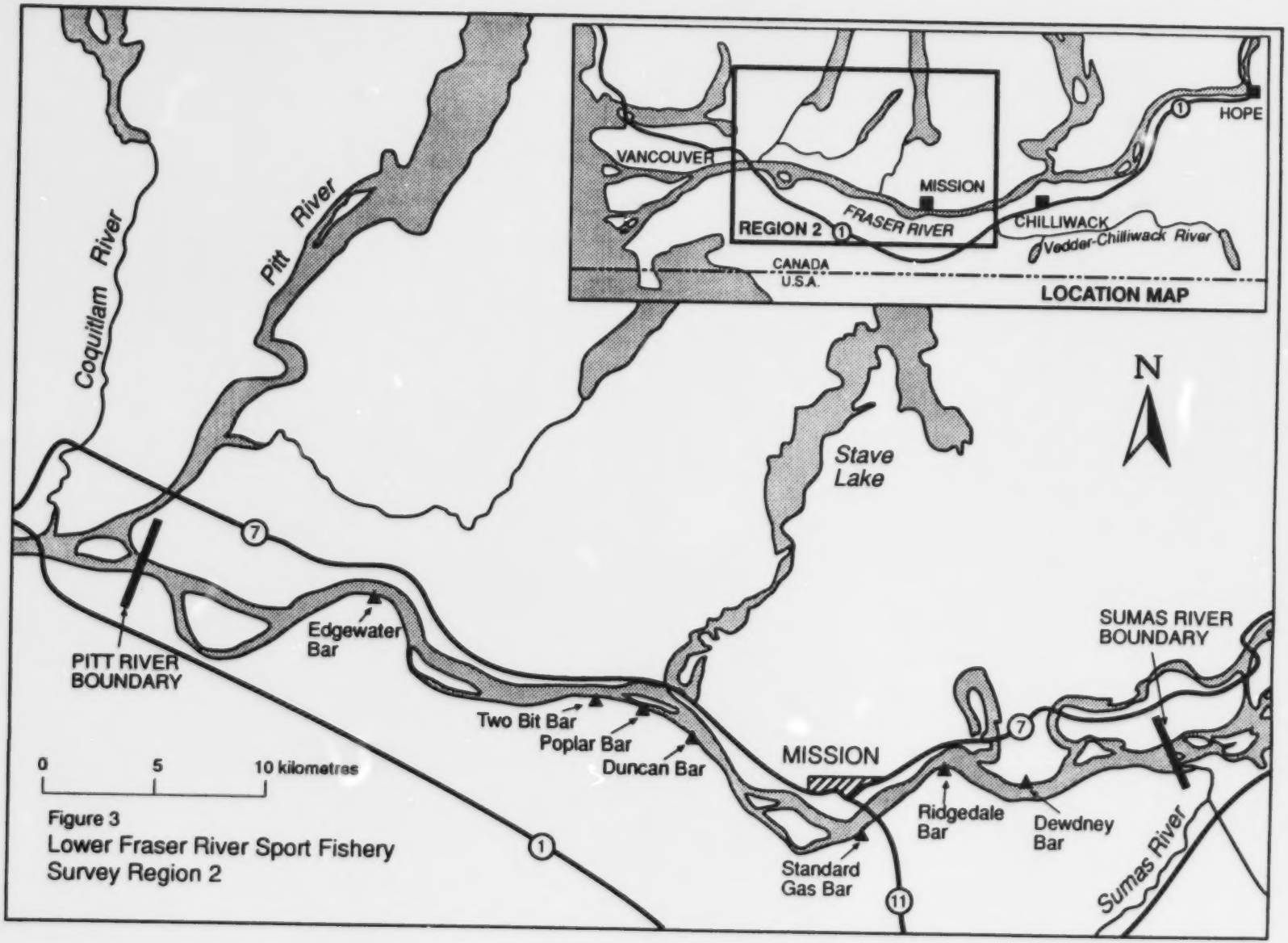

Figure 3
Lower Fraser River Sport Fishery
Survey Region 2

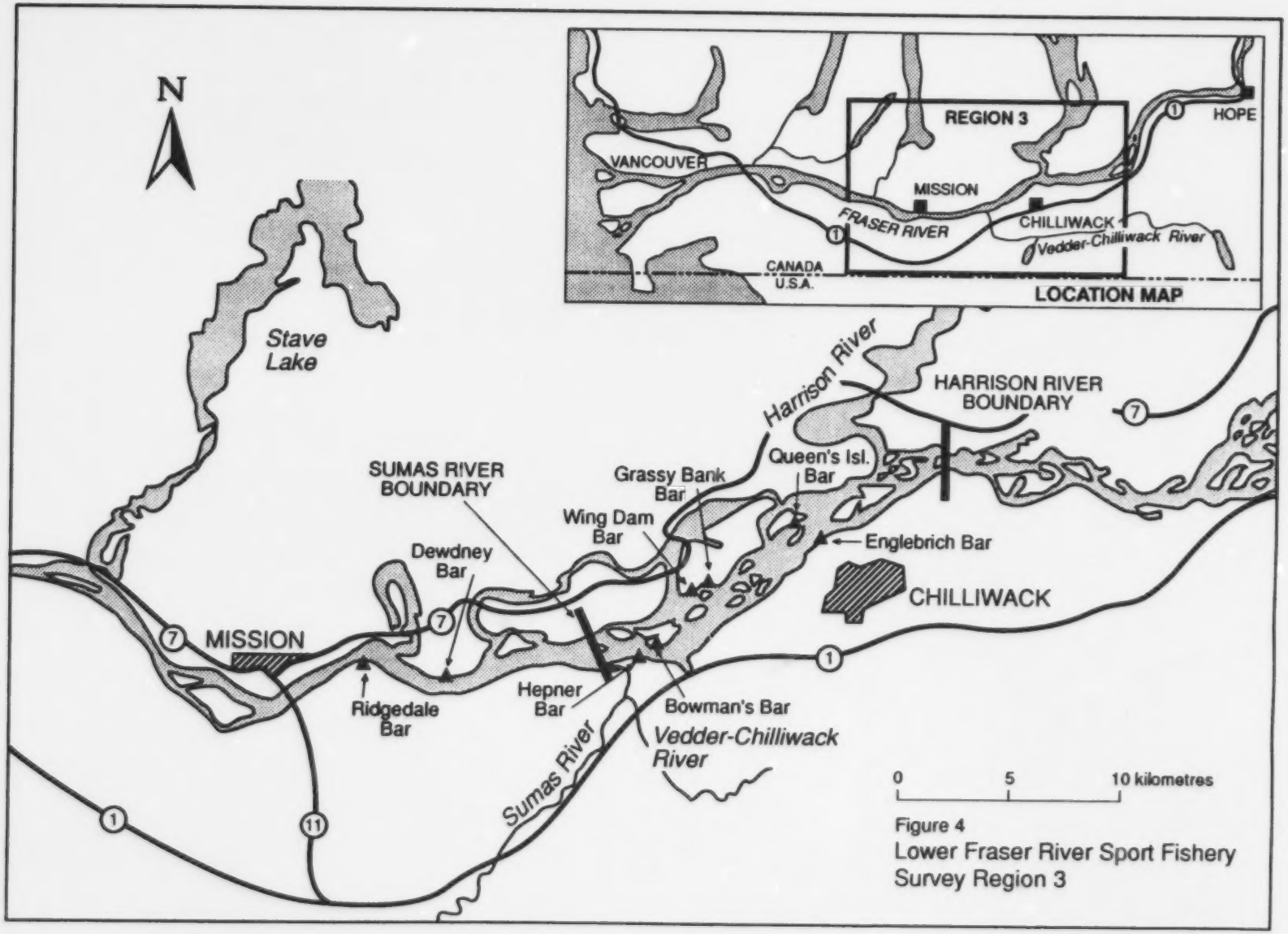

Figure 4
Lower Fraser River Sport Fishery Survey Region 3

Englebrich's Bar is a broad, flat beach on the south shore, 99 km from the mouth. Anglers fish from the beach or from the top of the bank immediately upstream. Because the site is located in Island 22 Regional Park, many anglers camp overnight.

Queen's Island Bar is located on a midchannel island, 99 km from the mouth. Many anglers camp overnight and fish at three sites along the south shore. The effective fishing sites remain under water until June or July.

REGION 4

In Region 4, extending between the Harrison and Coquihalla (top of Waleach Slough after Sept. 1, 1986) rivers (Fig. 5), the gradient is relatively high and, except below Agassiz, the river is confined largely to a single channel. Angler effort in Region 4 is minor and dispersed. Surveyors were stationed at up to two sites:

Ferry Island Bar is a small beach on the south shore immediately downstream from the Agassiz-Rosedale Bridge, 117 km from the mouth. Although the site is a Provincial Park, few anglers camp overnight.

Morrow's Bar is located on the north shore immediately upstream from the Agassiz-Rosedale Bridge. Anglers fish from a short narrow beach, or from a sand spit opposite the beach.

STUDY DESIGN

The lower Fraser River sport fishery was assessed using an access point-overflight design (DPA Group MS 1985a). The September to November 1985 study encompassed an area bounded by the George Massey Tunnel on the Main Arm, the Oak Street Bridge on the North Arm, and the Coquihalla River. In the May to December 1986, March to December 1987 and April to December 1988 studies, the lower boundary was moved to the river mouth when that area was reopened to the retention of fin fish in 1986. On September 1, 1986, the upper boundary was moved to the top of Waleach Slough because minimal effort had been observed above that point.

Each year, five surveyors worked one of two eight hour shifts which encompassed most daylight hours; shift times were adjusted monthly to compensate for seasonal changes in day length. The study period was stratified by month into weekday and weekend or holiday day types, with weekly assessment of up to three of the former and all of the latter. Surveyors were stationed at the areas of maximum expected angler effort and, with the exception of Region 4, a minimum of one surveyor was assigned to each region. Surveyors assessed up to two sites per month, with monthly sites changing with angler effort (Table 1). The minimum monthly site effort was two morning and two afternoon shifts per weekday and weekend or holiday stratum.

At the start of each shift, the surveyors requested anglers to report for an interview at the end of the fishing trip and, on the morning shift, inquired if any anglers had left before the arrival of the surveyor. The surveyors then remained at the site to conduct hourly rod counts and exit interviews. At the end of each shift, any anglers still fishing were interviewed. Each interview recorded trip length (to time of interview and expected additional time, if any), target species, number and species harvested or released, identifying marks on harvested fish (fin or maxillary clip) and gear type. When possible, harvest was inspected to confirm species and mark identification. An interview form was completed for each angler; however, if the angler was unrespon-

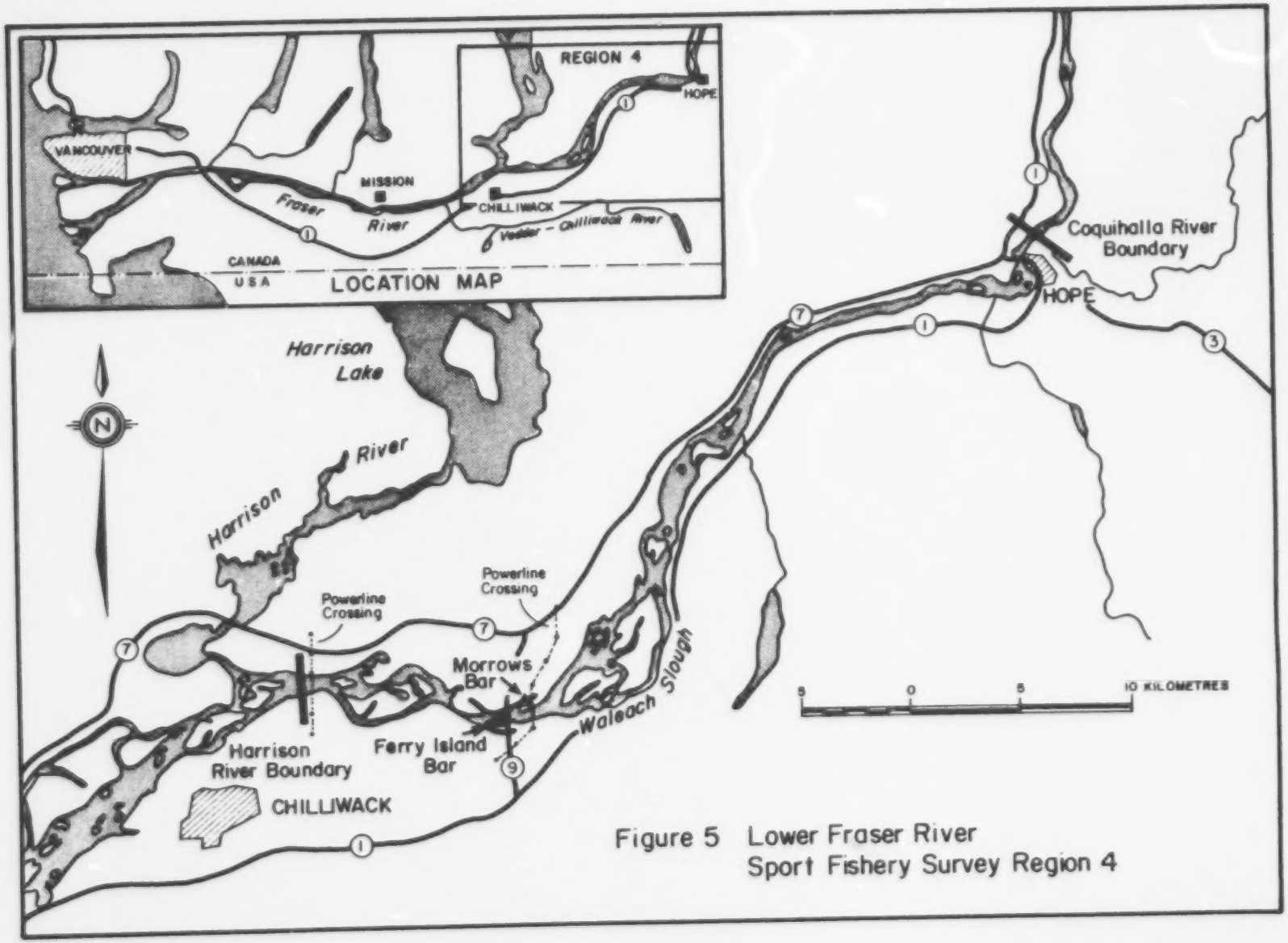

Figure 5 Lower Fraser River
Sport Fishery Survey Region 4

sive or if response reliability was questionable, the form was voided.

Anglers were counted from a Cessna 172 aircraft flying at approximately 30 meters and 130 kmh. The number of flights per month varied from two to ten, with more flights during periods of higher angler effort. Flights were allocated equally between weekdays and weekend days. On each flight, independent counts were made by two observers seated on the same side of the aircraft. Angler counts were recorded on a study area map, and flight times were recorded for each region. Flights began at noon and required two hours.

DATA ANALYSIS

Study data were analysed using computer software developed by the DPA Group Inc. (MS 1985b, MS 1986). Schubert (1992) describes the data treatments and analyses.

DATA PRESENTATION

ANGLER COUNTS

Mean weekday and weekend or holiday angler counts are presented by year and month in Appendices 1-4. Data are provided for all sites where anglers fished on a consistent basis.

SITE-SPECIFIC DATA

Study data for sites where a surveyor was stationed at least one month during the four year study are reported in alphabetic order by region in Appendices 5-25. These data are intended for use in planning future studies, either of the entire fishery or of specific spatial and temporal portions of the fishery. Three types of data are provided. First, angler interview responses (number of interviews, mean trip length, mean number of anglers per party, target species, observed harvest and release, verification of the anglers' species identification, and gear type) are summarized by site, year and month. Second, estimates of angler effort, harvest by species and mark type, and release by species, generated by the procedure described by Schubert (1992), are provided for months when a surveyor was stationed at the site. Further, angler effort in all other study months was estimated using the regional hourly angler effort profile and the mean monthly rod counts for the site. Third, mean hourly effort profiles are provided, by site and day type, for months when a surveyor was stationed at the site.

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Acknowleged with thanks are the contributions of Tom Mosley and Mike Milko for conducting under difficult circumstances the 1982 and 1984 studies, respectively. These studies provided data essential to the design of the current study.

Special thanks are extended to the anglers of the lower Fraser River

for providing the information which formed the basis of this study.

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APPENDICES

Appendix 1. Mean rod counts, by month, day type and site, in the 1985 lower Fraser River sport fishery.

	September		October		November		December	
Site a	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend
Number of Flights	4	4	5	4	2	3	2	1
River Road	5	10	15	21	7	7	1	0
Byrne Road	4	7	7	9	3	4	0	0
Tree	8	8	17	27	9	5	1	0
Richmond Dump	4	12	6	13	4	5	1	0
Brownsville	19	40	30	22	7	9	1	1
Above Brownsville	5	8	10	12	2	6	2	0
Coquitlam River Mouth	8	11	11	9	2	7	0	0
Region 1 total	60	120	114	159	43	57	7	3
Edgewater	46	73	66	116	26	46	1	4
Two Bit	14	20	27	30	5	15	0	0
Poplar	11	16	11	24	8	9	0	0
Duncan	20	48	25	57	18	15	0	0
Standard Gas	21	35	25	34	11	8	0	1
Ridgedale	6	21	9	12	5	7	1	0
Dewdney	5	7	6	5	5	2	0	0
Strawberry Island	4	7	1	7	0	0	0	0
Region 2 total	165	336	224	399	97	151	3	5
Sumas River mouth	20	22	17	29	2	4	1	3
Hepner's	2	6	0	5	0	1	0	0
Bowman's	44	70	37	57	0	0	0	2
Wing Dam	57	91	42	60	11	10	8	2
Grassy Bank	16	45	12	17	3	2	0	2
Long	13	33	13	32	3	3	1	1
Queen's Island	37	54	19	29	0	0	0	0
Chilliwack Island	0	2	0	0	0	0	0	0
Englebrich	54	66	49	63	14	3	1	1
Harrison River mouth	0	4	1	4	0	0	0	0
Region 3 total	238	421	191	308	31	23	11	11
Powerline	2	9	1	4	0	1	0	0
Gill Road	3	3	1	4	1	0	0	0
Ferry Island	11	17	8	8	4	2	0	0
Morrow's	4	5	4	1	0	0	0	0
Top of Waleach Slough	1	4	1	4	0	0	0	2
Landstrom Road	4	7	7	13	5	4	0	0
Coquihalla River mouth	0	2	0	1	0	0	0	0
Region 4 total	40	72	26	54	11	8	1	4
Total	502	949	555	920	182	239	21	23

a. Totals include minor sites not listed below; site locations not described in the text are described by Mosley (MS 1983).

Appendix 2. Mean rod counts, by month, day type and site, in the 1986 lower Fraser River sport fishery.

	April		May		June		July		August	
Site a	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend
Number of flights	0	1	2	2	4	4	5	5	5	5
River Road	-	1	3	1	3	3	3	6	3	10
Byrne Road	-	0	2	0	2	2	1	2	2	5
Tree	-	0	1	0	1	1	0	1	1	0
Richmond Dump	-	0	3	2	7	10	10	13	3	14
Brownsville	-	1	4	4	8	15	17	26	16	25
Above Brownsville	-	4	1	1	1	4	4	5	3	7
Coquitlam River mouth	-	2	6	2	3	8	5	5	5	13
Region 1 total	-	10	20	11	29	54	47	75	48	112
Edgewater	-	11	20	31	20	40	56	80	50	69
Two Bit	-	0	0	2	0	1	2	1	3	7
Poplar	-	3	3	6	4	7	6	11	3	14
Duncan	-	1	8	21	10	25	19	32	8	36
Standard Gas	-	3	4	7	2	3	7	12	11	25
Ridgedale	-	0	1	3	0	1	4	2	12	26
Dewdney	-	1	1	0	1	0	2	1	4	12
Strawberry Island	-	0	0	0	0	0	0	0	6	14
Region 2 total	-	21	38	82	42	93	104	179	132	287
Sumas River mouth	-	0	1	3	0	3	0	5	2	7
Hepner's	-	0	0	1	0	1	0	0	0	3
Bowman's	-	0	0	0	0	0	0	1	17	45
Wing Dam	-	4	0	1	0	0	0	1	11	15
Grassy Bank	-	1	0	2	0	0	0	1	2	2
Long	-	0	0	0	0	0	0	0	1	1
Queen's Island	-	0	0	6	1	3	13	31	15	32
Chilliwack Island	-	0	0	0	0	0	0	0	0	1
Englebrich	-	0	1	1	0	1	2	1	17	30
Harrison River mouth	-	0	0	2	0	0	0	0	0	0
Region 3 total	-	10	3	12	1	7	18	38	67	137
Powerline	-	0	0	0	0	1	0	0	0	2
Gill Road	-	0	0	0	0	0	0	0	0	3
Ferry Island	-	0	0	0	0	0	2	1	4	10
Morrow's	-	0	0	0	0	0	0	0	0	3
Top of Waleach Slough	-	0	0	0	0	0	0	1	0	1
Landstrom Road	-	0	0	0	0	0	0	0	0	2
Coquihalla River mouth	-	0	0	2	3	9	2	6	0	4
Region 4 total	-	0	1	6	3	11	5	14	12	39
Total	-	41	62	111	74	164	174	306	260	575

a. Totals include minor sites not listed below; site locations not described in the text are described by Mosley (MS 1983).

Continued

Appendix 2. Mean rod counts, by month, day type and site, in the 1986 lower Fraser River sport fishery, continued.

	September		October		November		December	
Site a	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend
Number of flights	5	5	5	5	3	3	1	1
River Road	7	9	5	20	6	10	6	3
Byrne Road	3	6	7	11	12	11	4	0
Tree	13	11	15	40	11	13	0	0
Richmond Dump	6	11	8	32	13	18	0	0
Brownsville	10	20	22	20	8	0	0	0
Above Brownsville	9	10	13	18	8	12	0	3
Coquitlam River mouth	8	16	21	42	7	6	5	0
Region 1 total	68	143	137	292	79	106	22	7
Edgewater	33	100	65	88	25	26	3	1
Two Bit	11	17	31	43	7	9	1	0
Poplar	4	14	8	27	2	5	0	2
Duncan	15	46	36	79	10	14	0	1
Standard Gas	15	35	32	58	10	9	2	0
Ridgedale	9	26	15	31	9	3	0	1
Dewdney	1	16	8	18	11	6	2	0
Strawberry Island	3	10	2	7	2	0	0	0
Region 2 total	122	372	411	552	112	103	11	5
Sumas River mouth	16	31	29	62	10	11	3	6
Hepner's	3	7	1	7	0	0	0	0
Bowman's	51	114	42	66	3	6	0	3
Wing Dam	35	45	26	48	7	8	0	6
Grassy Bank	8	38	16	35	8	11	2	7
Long	7	16	12	31	3	2	7	0
Queen's Island	16	29	13	36	4	2	0	0
Chilliwack Island	0	0	0	0	0	0	1	0
Englebrich	37	51	12	25	5	1	0	0
Harrison River mouth	0	2	0	5	1	2	0	3
Region 3 total	170	333	210	301	37	34	14	25
Powerline	2	4	2	4	0	1	0	6
Gill Road	4	5	3	6	1	0	0	0
Ferry Island	6	13	9	8	2	0	0	0
Morrow's	0	3	1	1	0	0	0	0
Top of Waleach Slough	1	4	1	3	0	0	1	0
Landstrom Road	-	-	-	-	-	-	-	-
Coquihalla River mouth	-	-	-	-	-	-	-	-
Region 4 total	15	48	31	40	8	5	0	13
Total	375	897	789	1,185	235	248	47	50

a. Totals include minor sites not listed below; site locations not described in the text are described by Mosley (MS 1983).

Appendix 3. Mean rod counts, by month, day type and site, in the 1987 lower Fraser River sport fishery.

	March		April		May		June		July	
Site a	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend
Number of flights	2	2	2	2	2	2	2	2	4	4
River Road	2	6	1	7	1	2	0	9	1	4
Byrne Road	1	1	1	2	2	1	1	4	0	1
Tree	0	0	0	2	1	0	1	1	0	1
Richmond Dump	1	0	0	2	0	1	0	11	2	4
Brownsville	2	5	3	0	5	1	8	8	7	12
Above Brownsville	2	5	5	7	3	1	4	7	3	9
Coquitlam River mouth	4	7	5	6	6	7	2	2	2	5
Region 1 total	11	33	13	37	21	21	24	64	28	61
Edgewater	15	48	12	30	30	41	44	58	30	61
Two Bit	1	0	0	0	0	0	0	1	2	1
Poplar	1	7	4	2	2	8	4	8	4	8
Duncan	1	12	3	6	11	20	10	22	9	16
Standard Gas	5	12	7	7	5	9	6	6	7	9
Ridgedale	3	9	1	4	3	3	1	4	3	3
Dewdney	1	6	3	5	1	1	4	6	2	5
Strawberry Island	1	5	2	4	0	0	0	0	1	2
Region 2 total	40	130	43	80	57	95	74	128	64	126
Sumas River mouth	5	14	6	13	4	3	3	6	5	16
Hepner's	0	0	0	0	0	0	0	0	1	0
Bowman's	1	3	0	0	0	0	0	0	1	4
Wing Dam	1	0	0	2	0	0	0	0	4	10
Grassy Bank	3	7	1	2	1	1	0	1	0	2
Long	3	3	1	3	0	0	0	2	0	0
Queen's Island	4	5	0	8	9	1	7	16	42	73
Chilliwack Island	0	0	0	0	0	0	0	1	3	10
Englebrich	1	0	0	0	0	0	1	3	12	9
Harrison River mouth	0	1	0	1	0	0	0	0	0	1
Region 3 total	12	23	2	19	9	3	7	24	67	113
Powerline	0	1	0	1	0	1	0	1	1	1
Gill Road	0	3	0	1	0	0	0	0	2	4
Ferry Island	0	1	1	1	0	0	1	1	4	6
Morrow's	0	1	0	2	0	0	0	0	1	0
Top of Waleach Slough	0	0	0	2	0	0	0	0	0	0
Region 4	4	8	1	8	1	5	1	3	9	15
Total	67	193	57	143	88	123	106	218	168	315

a. Totals include minor sites not listed below; site locations not described in the text are described by Mosley (MS 1983).

Continued

Appendix 3. Mean rod counts, by month, day type and site, in the 1987 lower Fraser River sport fishery, continued.

	August		September		October		November		December	
Site a	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend
Number of flights	5	5	5	5	5	5	3	3	2	2
River Road	3	9	2	12	5	14	6	10	1	5
Byrne Road	3	4	8	10	13	22	4	12	0	2
Tree	1	5	4	6	20	34	4	25	1	0
Richmond Dump	5	13	2	11	5	26	2	5	0	0
Brownsville	8	10	7	12	17	19	5	4	0	0
Above Brownsville	5	9	6	14	12	13	4	30	3	2
Coquitlam River mouth	7	13	5	12	18	24	5	6	0	0
Region 1 total	39	116	51	143	126	252	46	176	5	9
Edgewater	40	88	38	99	66	128	20	50	2	10
Two Bit	4	7	6	17	48	64	2	11	0	0
Poplar	1	8	5	8	5	13	2	9	1	0
Duncan	10	22	5	24	22	60	5	31	1	1
Standard Gas	19	31	17	49	30	43	12	15	1	0
Ridgedale	8	15	8	31	21	26	7	10	0	0
Dewdney	2	5	1	7	4	21	3	18	0	3
Strawberry Island	4	7	1	13	4	10	0	4	0	0
Region 2 total	119	270	103	384	297	700	71	263	10	26
Sumas River mouth	7	23	18	36	28	47	8	21	0	4
Hepner's	0	4	1	4	3	15	0	1	0	0
Bowman's	10	26	25	87	45	82	7	29	0	1
Wing Dam	8	20	36	56	21	39	9	7	0	1
Grassy Bank	1	5	6	28	3	20	0	6	0	1
Long	1	2	4	20	9	30	3	10	0	1
Queen's Island	11	28	9	21	9	10	5	1	0	0
Chilliwack Island	1	1	0	0	0	0	1	0	0	0
Englebrich	11	17	23	39	19	34	6	13	0	2
Harrison River mouth	1	3	0	5	3	10	0	3	0	0
Region 3 total	49	119	115	293	141	301	32	100	0	10
Powerline	1	3	3	7	3	7	1	2	0	0
Gill Road	3	4	1	4	4	11	5	4	1	0
Ferry Island	2	5	6	5	10	11	3	4	1	1
Morrow's	1	1	1	3	0	2	2	1	0	0
Top of Waleach Slough	0	0	1	4	1	8	0	3	0	0
Region 4	10	19	14	34	24	55	16	27	4	7
Total	217	523	284	854	588	1,308	165	566	19	51

a. Totals include minor sites not listed below; site locations not described in the text are described by Mosley (MS 1983).

Appendix 4. Mean rod counts, by month, day type and site, in the 1988 lower Fraser River sport fishery.

	April		May		June		July		August	
Site a	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend
Number of flights	1	1	2	2	3	3	4	4	5	5
River Road	1	2	1	3	0	3	2	4	0	4
Byrne Road	1	2	0	4	0	3	0	2	4	3
Tree	0	0	0	0	0	1	0	0	1	2
Richmond Dump	5	2	1	8	1	9	3	3	3	3
Brownsville	1	0	3	2	5	5	8	4	10	11
Above Brownsville	0	4	2	2	5	5	5	6	5	5
Coquitlam River mouth	0	1	4	1	4	7	7	7	5	11
Region 1 total	10	18	15	41	18	61	33	58	40	82
Edgewater	14	18	12	19	20	49	37	54	32	64
Two Bit	0	0	0	0	0	0	0	1	4	2
Poplar	1	0	0	2	1	5	4	8	1	4
Duncan	6	0	7	6	10	20	15	17	10	20
Standard Gas	3	3	5	9	6	15	11	14	15	24
Ridgedale	0	6	1	6	1	1	3	3	7	15
Dewdney	0	5	5	11	3	11	1	2	1	2
Strawberry Island	0	0	0	0	0	0	1	1	1	11
Region 2 total	39	52	34	83	48	140	88	150	100	225
Sumas River mouth	1	3	0	6	1	5	8	16	7	18
Hepner's	0	0	0	0	0	0	1	2	0	5
Bowman's	0	0	0	0	0	0	1	8	9	32
Wing Dam	0	0	0	2	0	1	2	5	5	20
Grassy Bank	0	0	2	2	0	0	0	1	0	3
Long	0	0	1	0	0	1	0	1	0	1
Queen's Island	0	0	2	0	4	9	55	114	11	31
Chilliwack Island	0	0	0	0	0	0	0	0	2	0
Englebrich	0	0	1	0	0	2	13	21	15	20
Harrison River mouth	0	0	0	2	2	1	1	1	0	2
Region 3 total	1	2	5	9	7	17	83	184	51	138
Powerline	0	0	0	0	0	0	0	1	2	2
Gill Road	0	0	0	0	0	0	7	6	5	7
Ferry Island	0	0	0	0	0	1	5	5	4	5
Morrow's	0	0	0	1	0	0	1	4	1	3
Top of Waleach Slough	0	0	0	0	0	0	0	0	0	0
Region 4 total	2	0	0	3	0	2	18	32	12	29
Total	52	72	53	135	73	221	222	423	203	474

a. Totals include minor sites not listed below; site locations not described in the text are described by Mosley (MS 1983).

Continued

Appendix 4. Mean rod counts, by month, day type and site, in the 1988 lower Fraser River sport fishery, continued.

	September		October		November		December	
Site a	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend
Number of flights	5	5	4	4	3	3	1	1
River Road	2	5	4	10	8	15	0	2
Byrne Road	6	6	16	30	11	16	0	0
Tree	5	10	13	27	17	14	0	2
Richmond Dump	3	4	10	22	7	14	0	0
Brownsville	9	14	16	15	5	9	1	0
Above Brownsville	8	12	17	25	19	9	3	1
Coquitlam River mouth	3	12	13	29	3	6	0	0
Region 1 total	52	116	157	283	109	146	3	6
Edgewater	35	84	59	113	48	54	2	8
Two Bit	13	22	36	64	10	9	0	0
Poplar	1	5	1	17	0	7	1	0
Duncan	10	28	34	89	8	22	2	0
Standard Gas	18	40	23	63	11	15	1	0
Ridgedale	5	24	7	26	3	2	0	0
Dewdney	0	2	3	9	2	11	0	1
Strawberry Island	3	17	1	6	1	1	0	0
Region 2 total	116	350	239	679	117	198	17	12
Sumas River mouth	10	19	21	44	0	5	0	6
Hepner's	2	5	0	5	0	0	0	0
Bowman's	34	79	28	70	0	3	0	0
Wing Dam	19	51	25	45	8	15	3	0
Grassy Bank	5	18	6	28	2	5	2	4
Long	2	12	6	21	2	5	0	2
Queen's Island	8	16	9	31	1	4	0	1
Chilliwack Island	1	5	0	1	0	0	0	0
Englebrich	22	36	18	40	3	2	0	1
Harrison River mouth	0	4	3	6	0	2	0	0
Region 3 total	105	256	107	331	25	50	7	20
Powerline	3	8	4	30	3	4	0	0
Gill Road	4	6	5	17	1	1	0	0
Ferry Island	4	6	6	14	3	3	1	6
Morrow's	3	5	1	7	0	2	2	0
Top of Waleach Slough	0	0	0	6	0	0	0	0
Region 4 total	18	29	18	68	8	17	3	17
Total	291	752	521	1,361	259	411	30	55

a. Totals include minor sites not listed below; site locations not described in the text are described by Mosley (MS 1983).

REGION 1 SITES: MOUTH TO PITT RIVER

Appendix 5a. Interview responses by month at Brownsville Bar in the 1985 lower Fraser River sport fishery.

	Sep	Oct	Nov	Total
Number of Interviews	190	181	48	419
Mean Angler Day Length (hr.)				
- All anglers	4.4	4.4	3.9	4.3
- Complete trip interviews				
Number	172	157	28	357
Hours	4.2	4.3	3.4	4.2
- Incomplete trip interviews				
Number	18	18	20	56
Hours	6.1	4.8	4.4	5.1
Mean number of anglers per party	1.5	1.8	2.2	1.7
Target Species				
- Coho	59	125	42	226
- Coho jack	4	3	-	7
- Dolly Varden	1	-	-	1
- Sturgeon	4	-	-	4
- Anything	122	53	6	181
Harvested Catch				
- Chinook jack	1	-	-	1
- Coho	9	11	-	20
- Coho jack	16	98	8	122
- Pink	5	-	-	5
- Cutthroat	10	1	-	11
- Dolly Varden	2	1	1	4
Released Catch				
- Coho jack	1	-	-	1
- Pink	1	-	-	1
- Steelhead	1	-	-	1
- Cutthroat	2	-	-	2
- Sturgeon	-	1	-	1
Inspection of Catch				
- Number	28	36	3	67
- Number correct	28	36	3	67
Gear				
- Bait	190	178	48	416
- Lure	0	1	0	1
- Fly	0	2	0	2

Appendix 5b. Interview responses by month at Brownsville Bar in the 1986 lower Fraser River sport fishery.

	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Number of Interviews	168	329	545	632	383	251	55	5	2,368
Mean Angler Day Length (hr.)									
- All anglers	3.5	4.3	4.6	4.5	4.0	5.4	4.6	4.0	4.4
- Complete trip interviews									
Number	95	172	297	396	310	185	51	5	1,511
Hours	3.2	4.2	4.6	4.4	3.9	5.1	4.6	4.0	4.3
- Incomplete trip interviews									
Number	73	157	248	236	73	66	4	0	857
Hours	3.8	4.3	4.6	4.6	4.6	6.5	3.9	-	4.6
Mean number of anglers per party	1.5	1.6	1.5	1.6	1.3	1.5	1.4	1.0	1.5
Target Species									
- Chinook jack	3	5	-	-	-	-	-	-	8
- Coho	-	-	-	-	-	1	-	-	1
- Steelhead	5	-	-	-	-	-	-	-	5
- Sturgeon	2	2	-	-	-	-	-	-	4
- Anything	158	322	545	632	383	250	55	5	2,350
Harvested Catch									
- Chinook jack	-	13	44	104	17	11	-	-	189
- Coho	-	-	-	-	13	11	1	-	25
- Coho jack	-	-	-	-	24	62	13	-	99
- Chum	-	-	-	-	-	3	-	-	3
- Steelhead	1	10	1	-	-	-	-	-	12
- Rainbow	1	1	-	-	4	-	-	-	6
- Cutthroat	-	-	-	2	2	1	-	-	5
- Dolly Varden	2	7	8	1	3	8	-	-	29
Released Catch									
- Chinook	2	-	-	-	-	-	-	-	2
- Chinook jack	-	-	1	1	-	-	-	-	2
- Coho	-	-	-	-	1	-	-	-	1
- Coho jack	-	-	-	-	1	9	-	-	10
- Steelhead	-	1	-	-	-	-	-	-	1
- Rainbow	-	-	1	-	-	-	-	-	1
- Cutthroat	1	-	1	-	-	-	-	-	2
- Dolly Varden	-	1	-	-	-	-	2	-	3
- Sturgeon	-	5	6	-	-	-	-	-	11
Inspection of Catch									
- Number	3	25	41	66	32	16	-	-	183
- Number correct	3	24	41	66	32	16	-	-	182
Gear									
- Bait	167	329	543	631	378	248	55	5	2,356
- Lure	0	0	1	1	3	3	0	0	8
- Bait/Lure	1	0	1	0	2	0	0	0	4
In B.C. for Expo-86	0	6	3	10	0	0	0	0	19

Appendix 5c. Interview responses by month at Brownsville Bar in the 1987 lower Fraser River sport fishery.

	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Total
Number of Interviews	28	78	56	158	63	153	229	203	165	1,133
Mean Angler Day Length (hr.)										
- All anglers	4.6	4.7	4.2	4.2	3.3	3.9	4.1	4.4	3.9	4.1
- Complete trip interviews										
Number	20	57	38	77	39	147	221	177	157	933
Hours	4.4	4.6	3.7	3.8	2.7	3.9	4.0	4.2	3.9	4.0
- Incomplete trip interviews										
Number	8	21	18	81	24	6	8	26	8	200
Hours	5.0	4.8	5.2	4.5	4.3	4.0	5.8	5.8	2.9	4.7
Mean number of anglers per party	1.1	1.2	1.1	1.4	1.6	1.6	1.3	1.3	1.3	1.3
Target Species										
- Chinook	9	1	4	17	16	18	-	-	-	65
- Chinook jack	-	-	1	11	6	-	-	-	-	18
- Coho	-	-	-	-	-	19	114	158	114	405
- Steelhead	19	14	-	9	-	-	-	-	4	46
- Cutthroat	-	-	-	-	-	2	-	-	-	2
- Dolly Varden		1	2	-	-	-	-	-	-	3
- Sturgeon	-	-	-	-	-	4	2	-	-	6
- Anything	-	62	49	121	31	110	113	45	47	578
Harvested Catch										
- Chinook	-	-	-	-	-	-	-	1	-	1
- Chinook jack	-	-	-	3	3	8	-	-	-	14
- Coho	-	-	-	-	-	1	6	23	12	42
- Coho jack	-	-	-	-	-	1	18	154	116	289
- Steelhead	-	-	-	1	-	-	-		-	1
- Rainbow	1	-	-	-	-	-	-	-	-	1
- Cutthroat	1	3	-	-	-	25	10	2	1	42
- Dolly Varden	2	6	6	6	1	1	3	4	3	32
Released Catch										
- Chinook	-	-	-	-	-	-	-	-	1	1
- Coho jack	-	-	-	-	-	1	-	4	3	8
- Pink	-	-	-	-	-	-	1	-	-	1
- Steelhead	-	-	-	1	1	-	-	-	-	2
- Cutthroat	-	1	-	-	-	7	5	1	-	14
- Dolly Varden	2	1	-	-	1	-	-	-	-	4
- Sturgeon	-	-	-	1	-	-	-	-	-	1
Inspection of Catch										
- Number	3	2	3	5	0	27	34	180	132	386
- Number correct	3	2	3	5	-	27	32	177	131	380
Gear										
- Bait	28	77	56	158	0	153	227	203	165	1,067
- Lure	0	1	0	0	0	0	0	0	0	1
- Bait/Lure	0	0	0	0	0	0	2	0	0	2

Appendix 5d. Interview responses by month at Brownsville Bar in the 1988 lower Fraser River sport fishery.

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Total
Number of interviews	9	59	68	90	100	185	186	62	759
Mean Angler Day Length (hr.)									
- All anglers	3.0	4.5	5.2	5.6	6.6	6.4	6.9	5.5	6.1
- Complete trip interviews									
Number	8	47	51	67	61	121	103	41	499
Hours	2.8	4.4	4.8	5.3	6.1	5.9	6.0	4.8	4.4
- Incomplete trip interviews									
Number	1	12	17	23	39	64	83	21	260
Hours	6.0	5.0	6.3	6.3	7.3	7.4	7.9	6.9	7.2
Mean number of anglers in party	1.0	1.3	1.3	2.0	1.5	1.6	1.6	1.7	1.6
Target Species									
- Chinook	-	-	-	2	17	1	-	-	20
- Chinook jack	-	-	-	31	3	3	-	-	37
- Coho	-	-	-	1	-	2	1	44	48
- Coho jack	-	-	-	-	-	46	-	-	46
- Steelhead	1	-	-	-	-	-	-	-	1
- Cutthroat	-	24	1	-	-	-	-	2	27
- Dolly Varden	3	7	-	-	-	-	1	-	11
- Anything	5	28	67	56	80	133	184	16	569
Harvested Catch									
- Chinook	-	-	-	1	1	-	1	-	3
- Chinook jack	-	-	2	18	19	7	-	-	46
- Coho	-	-	-	-	-	-	52	6	58
- Coho jack	-	-	-	-	10	48	6	-	64
- Chum	-	-	-	-	-	-	2	2	4
- Steelhead	-	-	1	-	-	-	-	-	1
- Rainbow	-	1	-	-	-	2	-	-	3
- Cutthroat	-	-	-	-	5	-	-	6	11
- Sockeye	-	-	-	3	2	5	-	-	10
- Dolly Varden	-	1	14	-	9	8	12	1	45
Released Catch									
- Chinook	-	-	-	-	1	2	-	-	3
- Chinook jack	-	-	-	11	7	1	-	-	19
- Rainbow	-	-	-	-	-	1	-	-	1
Inspection of Catch									
- Number	0	0	9	24	39	50	25	14	161
- Number correct	-	-	9	24	39	50	25	14	161
Gear									
- Bait	6	57	66	86	96	181	184	62	738
- Lure	3	1	0	1	1	0	2	0	8
- Bait/Lure	0	1	2	3	3	4	0	0	13
- Fly	0	0	0	0	0	0	0	0	0

Appendix 5e. Angler effort, number of interviews and estimated harvest by species and month at Brownsville Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b											
				Chinook		Coho									
				Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon
1985	Sep	4,308	190	0	3	52	88	28	0	0	40	0	0	10	0
	Oct	3,649	181	0	0	61	497	0	0	0	14	0	0	2	0
	Nov	616	48	0	0	0	27	0	0	0	0	0	0	3	0
	Total	8,573	419	0	3	113	612	28	0	0	54	0	0	15	0
1986	May	1,311	168	0	0	0	0	0	0	0	0	2	2	7	0
	Jun	3,616	329	0	37	0	0	0	0	0	0	43	3	21	0
	Jul	8,744	545	0	165	0	0	0	0	0	0	6	0	27	0
	Aug	7,712	632	0	301	0	0	0	0	0	10	0	0	3	0
	Sep	3,180	383	0	38	35	47	0	0	0	3	0	9	7	0
	Oct	4,090	251	0	30	51	325	0	0	11	2	0	0	25	0
	Nov	1,163	55	0	0	12	72	0	0	0	0	0	0	0	0
	Dec	155	5	0	0	0	0	0	0	0	0	0	0	0	0
	Total	29,971	2,368	0	571	98	444	0	0	11	15	51	14	90	0
1987	Mar	724	28	0	0	0	0	0	0	0	11	0	5	16	0
	Apr	797	78	0	0	0	0	0	0	0	4	0	0	11	0
	May	436	56	0	0	0	0	0	0	0	0	0	0	15	0
	Jun	1,827	158	0	15	0	0	0	0	0	0	3	0	16	0
	Jul	1,437	63	0	18	0	0	0	0	0	0	0	0	2	0
	Aug	2,958	153	0	36	10	4	0	0	0	125	0	0	4	0
	Sep	2,800	229	0	0	16	64	0	0	0	15	0	0	9	0
	Oct	5,384	203	2	0	261	1,179	0	0	0	11	0	0	19	0
	Nov	1,566	165	0	0	33	287	0	0	0	3	0	0	6	0
	Dec	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	17,929	1,133	2	69	320	1,534	0	0	0	169	3	5	98	0
1988	Apr	164	9	0	0	0	0	0	0	0	0	0	0	0	0
	May	508	59	0	0	0	0	0	0	0	0	0	1	3	0
	Jun	1,311	68	0	8	0	0	0	0	0	0	2	0	63	0
	Jul	1,280	90	2	57	0	0	0	16	0	0	0	0	0	0
	Aug	2,529	100	4	34	0	39	0	5	0	25	0	0	42	0
	Sep	3,831	185	0	17	0	190	0	22	0	0	0	6	28	0
	Oct	4,609	186	2	0	227	16	0	0	10	0	0	0	38	0
	Nov	1,051	62	0	0	10	0	0	0	8	23	0	0	5	0
	Dec	136	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	15,419	759	8	116	237	245	0	43	18	48	2	7	179	0

a. Angler effort during the unsurveyed months was estimated from the Brownsville Bar mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 5f. Estimated release by species and month at Brownsville Bar in the 1985-88 lower Fraser River sport fishery.

		Release a												
		Chinook		Coho										
Year	Month	Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon	Un-known
1985	Sep	0	0	0	5	10	0	0	7	3	0	0	0	0
	Oct	0	0	0	0	0	0	0	0	0	0	0	5	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	5	10	0	0	7	3	0	0	5	0
1986	May	5	0	0	0	0	0	0	2	0	0	0	0	0
	Jun	0	0	0	0	0	0	0	0	2	0	2	17	0
	Jul	0	6	0	0	0	0	0	3	0	5	0	33	0
	Aug	0	3	0	0	0	0	0	0	0	0	0	0	0
	Sep	0	0	2	2	0	0	0	0	0	0	0	0	0
	Oct	0	0	0	37	0	0	0	0	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	3	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	5	9	2	39	0	0	0	5	2	5	5	50	0
1987	Mar	0	0	0	0	0	0	0	0	0	0	22	0	0
	Apr	0	0	0	0	0	0	0	2	0	0	5	0	0
	May	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jun	0	0	0	0	0	0	0	0	6	0	0	2	0
	Jul	0	0	0	0	0	0	0	0	2	0	2	0	0
	Aug	0	0	0	7	0	0	0	36	0	0	0	0	0
	Sep	0	0	0	0	4	0	0	13	0	0	0	0	0
	Oct	0	0	0	134	0	0	0	2	0	0	0	0	0
	Nov	3	0	0	8	0	0	0	0	0	0	0	0	0
	Total	3	0	0	149	4	0	0	53	8	0	29	2	0
1988	Apr	0	0	0	0	0	0	0	0	0	0	0	0	0
	May	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jun	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	0	31	0	0	0	0	0	0	0	0	0	0	0
	Aug	2	32	0	0	0	0	0	0	0	0	0	0	0
	Sep	6	2	0	0	0	0	0	0	0	5	0	0	0
	Oct	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	8	65	0	0	0	0	0	0	0	5	0	0	0

a. Release was estimated only during months when a surveyor was stationed at the bar.

Appendix 5g. Estimated harvest, by month, species and mark type, at Brownsville Bar in the 1985-88 lower Fraser River sport fishery. a

Year	Month	Chinook adult AFC	Chinook jack AFC	Coho adult AFC	Coho adult RPC	Coho adult AFC/ RPC	Coho jack AFC	Coho jack LPC	Coho jack RPC	Steel-head AFC	Cutthroat AFC	Cutthroat LMC	Cutthroat RMC	Cutthroat AFC/ RMC	Cutthroat RMC/ LMC
1985	Sep	0	0	7	0	0	0	0	0	0	7	0	0	0	0
	Oct	0	0	7	0	0	81	0	99	0	0	0	0	0	0
	Nov	0	0	0	0	0	3	3	2	0	0	0	0	0	0
	Total	0	0	14	0	0	84	3	101	0	7	0	0	0	0
1986	May	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jun	0	0	0	0	0	0	0	0	7	0	0	0	0	0
	Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	0	10	0	0	0	0	0	0	0	0	0	0	0	0
	Sep	0	0	4	0	0	0	0	0	0	0	0	0	0	0
	Oct	0	0	10	0	2	13	0	0	0	0	0	0	0	0
	Nov	0	0	4	2	0	5	0	0	0	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	10	18	2	2	18	0	0	7	0	0	0	0	0
1987	Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	May	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	0	7	0	0	0	4	0	0	0	6	3	26	10	4
	Sep	0	0	5	0	0	7	0	0	0	2	0	3	7	0
	Oct	0	0	8	0	0	43	0	0	0	0	0	0	9	0
	Nov	0	0	3	0	0	9	0	0	0	0	0	0	0	0
	Total	0	7	16	0	0	63	0	0	0	8	3	29	26	4
1988	Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	May	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	12	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sep	0	0	0	0	0	24	0	0	0	0	0	0	0	0
	Oct	0	0	6	0	0	0	0	0	0	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	12	0	6	0	0	24	0	0	0	0	0	0	0	0

a. Abbreviations are: AFC - adipose fin clip;
LPC, RPC - left or right pelvic fin clip;
LMC, RMC - left or right maxillary clip.

Appendix 5h. Mean proportion of daily angler effort per hour, by month and day type, at Brownsville Bar in the 1985-88 lower Fraser River sport fishery.

Day type	Hour	1985			1986								1987		
		Sep	Oct	Nov	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mar	Apr	May
Weekday	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.5%	0.0%	0.0%	0.0%	0.1%	0.3%	0.1%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.4%	1.7%	0.0%	0.0%	0.4%	0.5%	0.5%	0.3%	1.7%	0.1%	0.0%	0.0%	0.0%	0.0%
	6:00	1.4%	3.5%	0.0%	0.2%	1.6%	1.2%	2.0%	2.3%	4.3%	0.5%	0.0%	0.0%	0.0%	0.0%
	7:00	4.6%	5.8%	11.7%	0.5%	3.1%	1.9%	4.8%	5.2%	7.8%	1.4%	4.8%	0.0%	0.0%	0.0%
	8:00	7.5%	7.8%	13.0%	1.5%	3.2%	2.0%	6.1%	6.6%	10.5%	2.1%	9.5%	0.0%	1.5%	2.6%
	9:00	9.3%	9.0%	6.5%	2.9%	4.9%	2.8%	8.0%	8.7%	11.5%	11.1%	9.5%	1.7%	5.4%	5.3%
	10:00	9.8%	10.6%	9.1%	3.9%	5.1%	3.9%	9.4%	9.6%	11.7%	11.8%	9.5%	3.5%	7.7%	7.9%
	11:00	11.0%	11.4%	8.7%	5.8%	4.9%	4.8%	8.1%	10.7%	10.2%	13.9%	9.5%	10.4%	8.7%	13.1%
	12:00	9.7%	10.6%	7.4%	8.9%	5.6%	7.2%	8.2%	10.9%	9.5%	11.4%	19.0%	14.5%	10.1%	12.9%
	13:00	8.8%	9.9%	5.2%	9.7%	6.6%	6.9%	9.1%	10.0%	8.9%	11.8%	28.6%	16.6%	13.4%	13.6%
	14:00	8.2%	7.8%	7.8%	12.4%	7.3%	7.4%	9.3%	9.6%	6.3%	10.0%	9.5%	15.5%	13.8%	14.3%
	15:00	6.9%	6.3%	6.5%	11.1%	6.7%	7.1%	8.8%	6.7%	5.0%	9.3%	0.0%	14.5%	10.6%	13.6%
	16:00	6.1%	6.3%	11.7%	5.5%	5.9%	8.2%	5.9%	4.4%	3.3%	8.2%	0.0%	13.0%	9.2%	7.9%
	17:00	5.6%	4.3%	8.5%	4.9%	5.7%	7.1%	4.6%	5.0%	3.5%	8.0%	0.0%	7.8%	11.5%	3.2%
	18:00	4.7%	2.9%	3.7%	7.9%	6.4%	6.9%	3.9%	3.5%	2.8%	0.6%	0.0%	2.6%	6.9%	1.6%
	19:00	4.6%	1.4%	0.0%	10.3%	7.5%	8.4%	5.7%	3.1%	2.0%	0.0%	0.0%	0.0%	1.2%	1.6%
	20:00	1.1%	0.2%	0.0%	8.5%	9.6%	9.7%	4.3%	2.4%	0.3%	0.0%	0.0%	0.0%	0.0%	1.6%
	21:00	0.1%	0.1%	0.0%	4.4%	9.7%	9.5%	1.0%	0.7%	0.1%	0.0%	0.0%	0.0%	0.0%	0.8%
	22:00	0.0%	0.0%	0.0%	0.8%	5.3%	4.4%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	23:00	0.0%	0.0%	0.0%	0.6%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	24:00	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Weekend	2:00	0.9%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%
	3:00	1.9%	0.0%	0.0%	0.0%	0.3%	0.3%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	2.2%	0.0%	0.0%	0.0%	1.2%	0.4%	0.2%	0.4%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	2.7%	1.7%	0.2%	0.2%	1.7%	1.3%	0.6%	1.5%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%
	6:00	5.3%	3.9%	0.6%	0.7%	3.1%	2.9%	1.9%	4.6%	4.2%	0.0%	0.0%	0.0%	1.0%	0.5%
	7:00	8.9%	5.8%	1.1%	1.3%	5.4%	4.8%	4.5%	8.8%	6.6%	0.0%	0.0%	0.0%	2.8%	2.0%
	8:00	10.4%	7.1%	2.3%	1.3%	7.3%	5.3%	6.9%	11.2%	7.2%	0.0%	0.0%	0.0%	4.2%	9.8%
	9:00	10.2%	9.8%	16.5%	2.0%	8.3%	6.4%	7.2%	11.9%	9.1%	14.5%	0.0%	0.0%	5.6%	9.8%
	10:00	9.9%	9.7%	15.6%	6.6%	8.0%	6.8%	9.2%	10.5%	10.3%	13.6%	14.3%	5.0%	8.3%	11.7%
	11:00	5.2%	9.3%	15.1%	10.6%	5.7%	6.7%	9.9%	9.2%	11.5%	13.6%	28.6%	18.3%	12.0%	7.8%
	12:00	6.2%	10.2%	9.6%	6.3%	7.6%	7.3%	8.7%	7.4%	9.7%	14.9%	28.6%	18.3%	13.5%	7.8%
	13:00	7.4%	8.9%	9.6%	9.9%	8.3%	7.6%	7.8%	7.9%	7.7%	13.6%	14.3%	13.3%	11.6%	10.2%
	14:00	7.8%	7.9%	7.8%	10.9%	8.1%	6.8%	7.7%	6.0%	7.4%	14.1%	14.3%	11.7%	10.8%	13.3%
	15:00	7.4%	7.2%	8.3%	14.5%	8.0%	6.5%	7.2%	5.4%	6.3%	6.0%	0.0%	13.3%	10.4%	10.2%
	16:00	5.4%	4.8%	7.6%	7.3%	4.5%	9.0%	6.5%	5.7%	3.3%	5.1%	0.0%	20.0%	11.3%	9.1%
	17:00	2.6%	5.8%	4.6%	5.9%	4.7%	7.7%	6.5%	3.4%	5.6%	4.5%	0.0%	0.0%	7.8%	5.2%
	18:00	2.3%	4.5%	1.0%	4.0%	4.7%	6.7%	5.2%	1.9%	3.3%	0.0%	0.0%	0.0%	0.9%	1.3%
	19:00	2.3%	2.7%	0.0%	3.3%	3.8%	4.1%	5.2%	3.2%	3.3%	0.0%	0.0%	0.0%	0.0%	1.3%
	20:00	1.1%	0.4%	0.0%	6.6%	3.6%	3.1%	3.5%	1.1%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%
	21:00	0.0%	0.0%	0.0%	6.4%	3.8%	4.1%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	22:00	0.0%	0.0%	0.0%	2.1%	1.9%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	23:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Continued

Appendix 5h. Mean proportion of daily angler effort per hour, by month and day type, at Brownsville Bar in the 1985-88 lower Fraser River sport fishery, continued.

Day type	Hour	1987 Jun	1987 Jul	1987 Aug	1987 Sep	1987 Oct	1987 Nov	1988 Apr	1988 May	1988 Jun	1988 Jul	1988 Aug	1988 Sep	1988 Oct	1988 Nov
Weekday	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.2%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.1%	1.3%	0.3%	1.4%	1.2%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	6:00	0.4%	2.5%	0.7%	4.8%	3.4%	3.4%	0.0%	0.0%	0.6%	0.0%	0.4%	1.6%	1.0%	0.0%
	7:00	0.8%	2.5%	1.8%	9.7%	6.3%	7.0%	0.0%	0.0%	2.4%	0.7%	1.0%	4.2%	3.1%	0.0%
	8:00	1.2%	5.0%	6.1%	10.7%	8.5%	11.6%	0.0%	2.0%	4.7%	4.4%	2.0%	7.1%	9.1%	2.7%
	9:00	1.9%	7.6%	9.7%	12.2%	11.9%	13.5%	4.5%	2.0%	8.6%	6.6%	3.0%	9.2%	11.8%	6.8%
	10:00	4.6%	12.6%	9.1%	11.7%	14.0%	14.8%	4.5%	14.0%	10.2%	10.3%	7.0%	12.0%	16.4%	13.7%
	11:00	7.3%	15.1%	10.3%	14.8%	11.1%	16.6%	12.1%	16.1%	11.0%	11.0%	8.5%	10.9%	13.2%	17.8%
	12:00	9.3%	15.1%	9.7%	11.3%	10.1%	14.2%	12.1%	14.0%	9.9%	11.0%	12.0%	12.5%	11.7%	20.5%
	13:00	9.3%	6.3%	9.7%	9.2%	8.2%	10.6%	9.1%	15.4%	10.3%	11.9%	13.5%	11.5%	11.1%	12.3%
	14:00	10.6%	7.6%	9.5%	7.6%	6.6%	4.2%	9.1%	12.7%	9.4%	11.0%	11.7%	8.5%	9.0%	10.9%
	15:00	11.2%	7.6%	6.5%	2.1%	4.6%	2.4%	12.1%	10.7%	9.0%	9.0%	11.7%	8.7%	6.9%	8.2%
	16:00	7.0%	0.0%	8.9%	1.5%	4.4%	0.0%	18.2%	9.0%	9.4%	6.4%	8.7%	7.1%	4.7%	5.5%
	17:00	9.7%	0.0%	6.5%	0.0%	3.7%	0.0%	9.1%	3.0%	6.3%	6.4%	7.3%	3.5%	2.1%	1.5%
	18:00	9.3%	0.0%	3.6%	0.8%	4.5%	0.0%	9.1%	1.0%	4.2%	5.5%	6.0%	2.8%	0.0%	0.0%
	19:00	6.6%	0.0%	3.6%	0.8%	1.3%	0.0%	0.0%	0.0%	2.1%	3.7%	4.0%	0.4%	0.0%	0.0%
	20:00	4.3%	7.6%	3.2%	1.5%	0.0%	0.0%	0.0%	0.0%	2.1%	0.9%	1.3%	0.0%	0.0%	0.0%
	21:00	4.6%	7.6%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	1.3%	0.0%	0.0%	0.0%
	22:00	1.7%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%
	23:00	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	24:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Weekend	2:00	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	3:00	0.0%	0.0%	0.2%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.5%	0.3%	0.5%	0.3%	2.1%	0.4%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	1.1%	1.5%	1.2%	1.7%	4.4%	1.1%	0.0%	0.0%	1.4%	0.2%	0.0%	0.0%	0.0%	0.0%
	6:00	2.4%	3.1%	4.5%	4.9%	7.7%	3.0%	0.0%	0.4%	1.4%	1.1%	1.3%	1.2%	2.4%	0.8%
	7:00	3.7%	5.0%	7.2%	8.5%	11.3%	6.6%	0.0%	3.1%	2.2%	3.0%	3.3%	3.2%	5.8%	3.4%
	8:00	4.2%	8.3%	7.2%	10.8%	11.6%	9.6%	0.0%	6.2%	4.4%	8.2%	4.4%	5.7%	8.0%	4.0%
	9:00	6.3%	6.1%	6.7%	11.2%	12.5%	14.1%	0.0%	6.2%	8.8%	9.0%	7.7%	7.7%	8.5%	10.2%
	10:00	7.9%	6.1%	8.1%	8.8%	7.5%	11.9%	0.0%	9.3%	13.2%	12.7%	11.0%	10.1%	10.7%	13.1%
	11:00	8.4%	8.3%	5.7%	9.2%	10.3%	9.6%	0.0%	15.6%	11.0%	12.7%	12.6%	12.3%	10.9%	15.3%
	12:00	12.1%	9.5%	9.1%	9.2%	8.3%	9.3%	0.0%	13.2%	9.9%	10.5%	14.3%	12.7%	11.6%	15.3%
	13:00	8.4%	11.7%	9.3%	8.0%	6.5%	9.3%	22.2%	16.3%	11.5%	9.5%	11.5%	12.0%	11.2%	12.5%
	14:00	10.1%	11.7%	7.4%	6.0%	5.8%	8.5%	22.2%	11.7%	9.9%	9.0%	9.9%	10.1%	10.4%	8.5%
	15:00	10.1%	9.5%	6.2%	4.5%	5.2%	6.5%	22.2%	10.1%	9.3%	8.4%	9.1%	8.7%	9.2%	6.8%
	16:00	2.5%	4.4%	9.1%	6.5%	4.7%	4.2%	33.3%	6.2%	9.9%	11.2%	6.6%	4.8%	4.3%	6.8%
	17:00	3.9%	5.6%	6.7%	5.2%	0.5%	4.5%	0.0%	1.6%	4.4%	2.2%	4.4%	3.3%	3.3%	3.2%
	18:00	5.6%	5.0%	4.8%	3.6%	1.0%	1.2%	0.0%	0.0%	1.1%	2.2%	3.3%	3.0%	1.6%	0.0%
	19:00	6.0%	3.3%	2.9%	1.6%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%	0.5%	2.6%	1.4%	0.0%
	20:00	4.2%	0.6%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	0.5%	0.0%
	21:00	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.2%	0.0%
	22:00	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	23:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Appendix 6a. Interview responses by month at Byrne Road Bar in the 1986 lower Fraser River sport fishery.

	Dec	Total
Number of Interviews	13	13
Mean Angler Day Length (hr.)		
- All anglers	4.3	4.3
- Complete trip interviews		
Number	11	11
Hours	4.5	4.5
- Incomplete trip interviews		
Number	2	2
Hours	3.0	3.0
Mean number of anglers per party	1.4	1.4
Target Species		
- Anything	13	13
Harvested Catch	-	0
Released Catch	-	0
Inspection of catch		
- Number	0	0
- Number correct	-	-
Gear		
- Bait	13	13
In B.C. for Expo-86	0	0

Appendix 6b. Angler effort, number of interviews and estimated harvest by species and month at Byrne Road Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b											
				Chinook		Coho									
				Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon
1985	Sep	1,819	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	2,554	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	1,068	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	5,442	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	May	408	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	874	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	509	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	1,085	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	1,437	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	3,327	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	3,014	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	252	13	0	0	0	0	0	0	0	0	0	0	0	0
	Total	10,906	13	0	0	0	0	0	0	0	0	0	0	0	0
1987	Mar	194	0	-	-	-	-	-	-	-	-	-	-	-	-
	Apr	342	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	421	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	765	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	97	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	1,131	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	2,918	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	6,093	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	1,866	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	136	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	13,962	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Apr	389	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	270	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	327	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	218	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	863	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	1,600	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	5,607	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	3,001	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	12,364	0	-	-	-	-	-	-	-	-	-	-	-	-

a. Angler effort during the unsurveyed months was estimated from the Byrne Road Bar mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 6c. Mean proportion of daily angler effort per hour, by month and day type, at Byrne Road Bar in the 1986 lower Fraser River sport fishery.

	December 1986	
Hour	Weekday	Weekend
3:00	0.0%	0.0%
4:00	0.0%	0.0%
5:00	0.0%	0.0%
6:00	0.0%	0.0%
7:00	0.0%	0.0%
8:00	0.0%	0.0%
9:00	2.4%	0.0%
10:00	12.2%	0.0%
11:00	17.1%	16.7%
12:00	17.1%	22.2%
13:00	14.6%	22.2%
14:00	12.2%	22.2%
15:00	12.2%	16.7%
16:00	12.2%	0.0%
17:00	0.0%	0.0%
18:00	0.0%	0.0%
19:00	0.0%	0.0%
20:00	0.0%	0.0%
21:00	0.0%	0.0%
22:00	0.0%	0.0%
23:00	0.0%	0.0%
24:00	0.0%	0.0%

Appendix 7a. Interview responses by month at Richmond Dump Bar in the 1985-86 lower Fraser River sport fishery.

	1985			1986		
	Sep	Oct	Total	Jul	Aug	Total
Number of Interviews	42	1	43	163	55	218
Mean Angler Day Length (hr.)						
- All anglers	3.2	2.5	3.2	4.0	3.6	3.9
- Complete trip interviews						
Number	38	0	38	119	37	156
Hours	2.9	-	2.9	3.8	3.5	3.7
- Incomplete trip interviews						
Number	4	1	5	44	18	62
Hours	6.1	2.5	5.4	4.6	3.8	4.4
Mean number of anglers per party	2.4	1.0	2.4	1.6	1.6	1.6
Target Species						
- Coho	17	-	17	-	-	0
- Cutthroat	2	-	2	-	-	0
- Anything	23	1	24	163	55	218
Harvested Catch						
- Chinook jack	-	-	0	1	-	1
- Pink	1	-	1	-	-	0
- Dolly Varden	1	-	1	1	-	1
Released Catch	-	-	0	-	-	0
Inspection of Catch						
- Number	2	0	2	2	0	2
- Number correct	2	-	2	2	-	2
Gear						
- Bait	42	1	43	163	55	218
In B.C. for Expo-86	-	-	-	2	0	2

Appendix 7b. Interview responses by month at Richmond Dump Bar in the 1987-88 lower Fraser River sport fishery.

	1987				1988			
	Jun	Jul	Aug	Total	Jun	Jul	Aug	Total
Number of Interviews	57	46	52	155	24	27	24	75
Mean Angler Day Length (hr.)								
- All anglers	4.2	3.5	4.3	4.0	6.0	5.7	6.9	6.2
- Complete trip interviews								
Number	33	25	39	97	21	20	11	52
Hours	4.2	3.8	4.3	4.1	5.8	5.1	6.7	5.7
- Incomplete trip interviews								
Number	24	21	13	58	3	7	13	23
Hours	4.3	3.3	4.1	3.9	7.5	7.2	7.1	7.2
Mean number of anglers per party	2.2	1.9	1.6	1.9	1.9	1.5	2.6	2.0
Target Species								
- Chinook	6	8	8	22	-	2	3	5
- Chinook jack	7	5	7	19	-	8	-	8
- Coho	-	-	7	7	-	-	-	0
- Sockeye	-	-	1	1	-	-	-	0
- Steelhead	17	1	-	18	-	-	-	0
- Cutthroat	-	-	-	0	-	-	1	1
- Sturgeon	-	10	9	19	-	-	-	0
- Anything	27	22	20	69	24	17	20	61
Harvested Catch								
- Chinook	-	-	-	0	-	1	-	1
- Chinook jack	-	2	-	2	1	7	7	15
- Cutthroat	-	-	-	0	1	1	2	4
- Dolly Varden	5	1	-	6	3	2	6	11
Released Catch								
- Chinook jack	-	3	-	3	-	2	1	3
- Sockeye	-	-	-	0	-	-	1	1
- Steelhead	-	-	1	1	-	-	-	0
- Dolly Varden	1	-	-	1	-	-	-	0
- Sturgeon	-	1	1	2	-	-	-	0
Inspection of Catch								
- Number	0	1	0	1	4	9	13	26
- Number correct	-	1	-	1	4	9	13	26
Gear								
- Bait	57	46	51	154	24	26	24	74
- Bait/Lure	0	0	1	1	0	1	0	1

Appendix 7c. Angler effort, number of interviews and estimated harvest by species and month at Richmond Dump bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b											
				Chinook		Coho									
				Adult	Jack	Adult	Jack	Pink	Sockeye	Chum	Cutthroat	Steelhead	Rainbow	Dolly Varden	Sturgeon
1985	Sep	938	42	0	0	0	0	10	0	0	0	0	0	5	0
	Oct	14	1	0	0	0	0	0	0	0	0	0	0	0	0
	Nov	1,569	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	2,521	43	0	0	0	0	10	0	0	0	0	0	5	0
1986	May	856	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	3,299	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	3,025	163	0	2	0	0	0	0	0	0	0	0	4	0
	Aug	768	55	0	0	0	0	0	0	0	0	0	0	0	0
	Sep	2,783	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	8,144	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	3,797	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	22,672	218	0	2	0	0	0	0	0	0	0	0	4	0
1987	Mar	143	0	-	-	-	-	-	-	-	-	-	-	-	-
	Apr	86	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	118	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	1,129	57	0	0	0	0	0	0	0	0	0	0	39	0
	Jul	811	46	0	7	0	0	0	0	0	0	0	0	4	0
	Aug	1,281	52	0	0	0	0	0	0	0	0	0	0	0	0
	Sep	1,609	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	4,831	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	836	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	10,844	155	0	7	0	0	0	0	0	0	0	0	43	0
1988	Apr	1,052	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	672	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	1,061	24	0	7	0	0	0	0	0	3	0	0	8	0
	Jul	595	27	2	29	0	0	0	0	0	2	0	0	9	0
	Aug	768	24	0	30	0	0	0	0	0	7	0	0	29	0
	Sep	891	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	3,754	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	2,293	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	11,084	75	2	66	0	0	0	0	0	12	0	0	46	0

a. Angler effort during the unsurveyed months was estimated from the Richmond Dump Bar mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 7d. Estimated release by species and month at Richmond Dump Bar in the 1985-88 lower Fraser River sport fishery.

		Release a												
		Chinook		Coho										
Year	Month	Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon	Un-known
1985	Sep	0	0	0	0	0	0	0	0	0	0	0	0	0
	Oct	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Jul	0	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Jun	0	0	0	0	0	0	0	0	0	0	4	0	0
	Jul	0	11	0	0	0	0	0	0	0	0	0	7	0
	Aug	0	0	0	0	0	0	0	0	10	0	0	10	0
1988	Jun	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	0	9	0	0	0	0	0	0	0	0	0	0	0
	Aug	0	11	0	0	0	3	0	0	0	0	0	0	0

a. Release was estimated only during months when a surveyor was stationed at the bar.

Appendix 7e. Mean proportion of daily angler effort per hour, by month and day type, at Richmond Dump Bar in the 1985-88 lower Fraser River sport fishery.

Day type	Hour	1985	1986		1987			1988		
		Sep	Jul	Aug	Jun	Jul	Aug	Jun	Jul	Aug
Weekday	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	6:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	7:00	0.0%	3.9%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%
	8:00	0.0%	5.8%	6.7%	3.6%	2.1%	1.4%	0.0%	0.0%	2.5%
	9:00	6.8%	9.2%	6.7%	5.3%	3.2%	2.9%	5.7%	0.0%	4.9%
	10:00	9.6%	11.1%	6.7%	10.7%	5.3%	8.7%	9.6%	15.4%	12.3%
	11:00	9.6%	10.7%	10.1%	8.9%	7.4%	13.0%	9.6%	15.4%	12.3%
	12:00	10.3%	11.1%	6.7%	7.1%	8.5%	13.0%	10.2%	15.4%	12.3%
	13:00	6.8%	10.5%	8.1%	13.9%	8.5%	13.5%	11.5%	12.0%	14.8%
	14:00	8.9%	9.9%	10.7%	10.7%	8.0%	9.7%	11.5%	10.3%	14.8%
	15:00	9.6%	8.1%	10.7%	9.6%	8.0%	8.7%	11.5%	8.5%	14.8%
	16:00	9.6%	8.7%	11.2%	2.7%	6.4%	8.7%	11.5%	10.3%	11.1%
	17:00	13.7%	5.1%	13.4%	2.7%	6.4%	2.9%	11.5%	7.7%	0.0%
	18:00	11.0%	2.9%	8.9%	2.7%	9.6%	0.0%	0.0%	5.1%	0.0%
	19:00	4.1%	2.2%	0.0%	8.0%	8.5%	8.7%	3.8%	0.0%	0.0%
	20:00	0.0%	0.7%	0.0%	5.3%	9.6%	5.8%	3.8%	0.0%	0.0%
	21:00	0.0%	0.0%	0.0%	5.3%	6.4%	2.9%	0.0%	0.0%	0.0%
	22:00	0.0%	0.0%	0.0%	1.8%	2.1%	0.0%	0.0%	0.0%	0.0%
	23:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	24:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Weekend	2:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%
	6:00	0.0%	0.0%	0.0%	2.0%	0.4%	2.9%	1.4%	1.2%	0.0%
	7:00	0.0%	0.0%	0.0%	4.5%	2.6%	3.7%	2.9%	5.3%	0.0%
	8:00	7.7%	6.7%	3.6%	7.2%	7.7%	10.0%	2.9%	5.3%	0.0%
	9:00	13.5%	9.3%	7.1%	10.8%	11.6%	8.7%	13.0%	8.9%	11.8%
	10:00	11.5%	13.8%	10.7%	10.8%	12.8%	7.5%	18.8%	14.2%	11.8%
	11:00	13.5%	15.3%	9.5%	9.9%	12.8%	11.2%	18.8%	14.2%	15.8%
	12:00	8.7%	13.5%	8.3%	8.1%	12.8%	14.9%	12.5%	15.9%	15.8%
	13:00	6.7%	9.5%	14.2%	3.6%	3.9%	7.1%	7.7%	11.7%	18.4%
	14:00	7.7%	8.6%	13.6%	5.1%	3.9%	7.1%	8.7%	10.6%	15.8%
	15:00	7.7%	7.5%	14.2%	5.1%	4.5%	7.5%	7.7%	7.4%	10.5%
	16:00	9.6%	4.9%	8.3%	4.5%	3.9%	4.4%	2.9%	2.7%	0.0%
	17:00	3.8%	4.1%	7.1%	5.4%	5.1%	2.5%	2.9%	2.7%	0.0%
	18:00	3.8%	5.2%	3.6%	4.9%	6.4%	3.7%	0.0%	0.0%	0.0%
	19:00	3.8%	1.5%	0.0%	5.4%	3.9%	3.7%	0.0%	0.0%	0.0%
	20:00	1.9%	0.0%	0.0%	5.4%	3.9%	2.5%	0.0%	0.0%	0.0%
	21:00	0.0%	0.0%	0.0%	5.4%	3.9%	1.2%	0.0%	0.0%	0.0%
	22:00	0.0%	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%
	23:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Appendix 8a. Interview responses by month at River Road Bar in the 1986-88 lower Fraser River sport fishery.

	1986						1987			1988	
	May	Jun	Sep	Oct	Nov	Total	Sep	Dec	Total	Sep	Total
Number of Interviews	41	61	42	46	24	214	147	14	161	93	93
Mean Angler Day Length (hr.)											
- All anglers	3.7	3.8	3.5	4.5	5.9	4.1	2.8	4.5	2.9	5.8	5.8
- Complete trip interviews											
Number	31	40	31	32	21	155	132	14	146	52	52
Hours	3.3	3.6	3.7	4.1	5.6	3.9	2.7	4.5	2.9	4.8	4.8
- Incomplete trip interviews											
Number	10	21	11	14	3	59	15	0	15	41	41
Hours	5.0	4.2	3.1	5.6	8.7	4.7	3.8	-	3.8	7.2	7.2
Mean number of anglers per party	1.8	1.7	1.9	1.7	1.3	1.7	1.6	1.1	1.6	1.6	1.6
Target Species											
- Chinook	-	-	-	-	-	0	1	-	1	-	0
- Chinook jack	-	2	-	-	-	2	-	-	0	-	0
- Coho	-	-	-	-	-	0	76	-	76	-	0
- Coho jack	-	-	-	-	-	0	-	-	0	24	24
- Cutthroat	-	-	-	-	-	0	2	-	2	-	0
- Sturgeon	2	-	-	-	-	2	-	-	0	-	0
- Anything	39	59	42	46	24	210	68	14	82	69	69
Harvested Catch											
- Coho	-	-	-	2	3	5	-	1	1	2	2
- Coho jack	-	-	-	4	7	11	-	-	0	37	37
- Sockeye	-	-	-	-	-	0	-	-	0	1	1
- Steelhead	-	-	-	-	-	0	-	-	0	1	1
- Rainbow	-	-	-	-	-	0	-	-	0	1	1
- Cutthroat	-	-	-	-	-	0	3	2	5	-	0
- Dolly Varden	-	1	-	1	-	2	-	2	2	4	4
Released Catch											
- Steelhead	1	-	-	-	-	1	-	-	0	-	0
- Cutthroat	1	-	-	-	-	1	-	-	0	-	0
- Sturgeon	-	1	-	-	-	1	-	-	0	-	0
Inspection of Catch											
- Number	0	0	0	0	0	0	2	4	6	35	35
- Number correct	-	-	-	-	-	0	2	4	6	35	35
Gear											
- Bait	41	60	42	46	24	213	147	14	161	90	90
- Bait/Lure	-	1	-	-	-	1	0	0	0	3	3
In B.C. for Expo-86	0	1	0	0	0	1	-	-	-	-	-

Appendix 8b. Angler effort, number of interviews and estimated harvest by species and month at River Road Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b											
				Chinook		Coho									
				Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon
1985	Sep	2,582	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	5,391	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	2,591	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	10,564	0	-	-	-	-	-	-	-	-	-	-	-	-
1986	May	611	41	0	0	0	0	0	0	0	0	0	0	0	0
	Jun	915	61	0	0	0	0	0	0	0	0	0	0	2	0
	Jul	1,527	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	1,955	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	1,254	42	0	0	0	0	0	0	0	0	0	0	0	0
	Oct	2,345	46	0	0	22	42	0	0	0	0	0	0	9	0
	Nov	992	24	0	0	34	80	0	0	0	0	0	0	0	0
	Dec	795	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	10,394	214	0	0	56	122	0	0	0	0	0	0	11	0
1987	Mar	626	0	-	-	-	-	-	-	-	-	-	-	-	-
	Apr	772	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	386	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	1,180	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	684	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	1,805	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	1,865	147	0	0	0	0	0	0	0	14	0	0	0	0
	Oct	3,117	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	2,050	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	176	14	0	0	3	0	0	0	0	7	0	0	7	0
	Total	12,661	161	0	0	3	0	0	0	0	21	0	0	7	0
1988	Apr	344	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	340	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	245	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	772	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	283	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	1,832	93	0	0	11	150	0	2	0	0	4	2	16	0
	Oct	1,845	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	2,479	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	130	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	8,069	93	0	0	11	150	0	2	0	0	4	2	16	0

a. Angler effort during the unsurveyed months was estimated from the River Road Bar mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 8c. Estimated release by species and month at River Road Bar in the 1986-88 lower Fraser River sport fishery.

		Release a												
		Chinook		Coho										
Year	Month	Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon	Un-known
1986	May	0	0	0	0	0	0	0	7	5	0	0	0	0
	Jun	0	0	0	0	0	0	0	0	0	0	0	5	0
	Sep	0	0	0	0	0	0	0	0	0	0	0	0	0
	Oct	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Sep	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Sep	0	0	0	0	0	0	0	0	0	0	0	0	0

a. Release was estimated only during months when a surveyor was stationed at the bar.

Appendix 8d. Estimated harvest, by month, species and mark type, at River Road Bar in the 1986-88 lower Fraser River sport fishery. a

		Coho jack	Cutthroat	
Year	Month	AFC	AFC/RMC	RMC
1986	May	0	0	0
	Jun	0	0	0
	Sep	0	0	0
	Oct	0	0	0
	Nov	0	0	0
1987	Sep	0	5	3
	Dec	0	0	0
1988	Sep	9	0	0

a. Abbreviations are: AFC - adipose fin clip;
RMC - right maxillary clip.

Appendix 8e. Mean proportion of daily angler effort per hour, by month and day type, at River Road Bar in the 1986-88 lower Fraser River sport fishery.

Day type	Hour	1986					1987	1988
		May	Jun	Sep	Oct	Nov	Sep	Sep
Weekday	3:00	0.0%	-	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	-	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.0%	-	0.0%	0.0%	0.0%	0.0%	0.0%
	6:00	0.0%	-	0.0%	0.0%	1.1%	0.0%	0.6%
	7:00	0.0%	-	0.0%	0.0%	2.6%	0.0%	2.3%
	8:00	0.0%	-	5.6%	3.8%	3.5%	0.0%	4.5%
	9:00	4.7%	-	5.6%	5.1%	9.0%	2.8%	7.4%
	10:00	4.7%	-	0.0%	12.6%	10.0%	8.3%	9.7%
	11:00	18.8%	-	0.0%	8.8%	11.0%	9.3%	12.5%
	12:00	18.8%	-	8.3%	10.1%	11.0%	8.7%	13.6%
	13:00	12.5%	-	12.5%	9.5%	11.0%	8.7%	12.2%
	14:00	6.3%	-	12.5%	10.7%	12.0%	15.1%	12.2%
	15:00	6.3%	-	11.1%	10.7%	11.3%	10.3%	10.8%
	16:00	9.4%	-	13.9%	6.3%	10.0%	13.2%	5.7%
	17:00	9.4%	-	13.9%	5.1%	7.7%	11.1%	4.0%
	18:00	9.4%	-	5.6%	8.8%	0.0%	7.6%	2.3%
	19:00	0.0%	-	8.3%	6.3%	0.0%	4.9%	1.1%
	20:00	0.0%	-	2.8%	2.1%	0.0%	0.0%	1.1%
	21:00	0.0%	-	0.0%	0.0%	0.0%	0.0%	0.0%
	22:00	0.0%	-	0.0%	0.0%	0.0%	0.0%	0.0%
	23:00	0.0%	-	0.0%	0.0%	0.0%	0.0%	0.0%
	24:00	0.0%	-	0.0%	0.0%	0.0%	0.0%	0.0%
Weekend	2:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
	6:00	0.6%	0.0%	0.0%	2.2%	0.8%	0.8%	1.5%
	7:00	2.4%	1.8%	3.7%	4.3%	3.4%	3.0%	4.1%
	8:00	8.3%	1.8%	3.7%	4.3%	6.1%	5.5%	5.8%
	9:00	7.1%	1.8%	8.6%	6.5%	10.7%	6.7%	5.8%
	10:00	10.6%	0.0%	12.3%	5.4%	12.2%	5.5%	14.0%
	11:00	8.3%	5.4%	12.3%	6.5%	12.3%	6.7%	20.6%
	12:00	7.1%	9.1%	6.7%	9.8%	12.3%	11.3%	11.5%
	13:00	6.5%	8.6%	6.7%	7.6%	10.6%	10.1%	7.8%
	14:00	5.9%	11.3%	4.3%	7.6%	9.7%	9.7%	9.9%
	15:00	5.9%	10.4%	11.7%	10.9%	8.5%	3.6%	9.9%
	16:00	10.6%	9.1%	8.6%	15.2%	6.8%	13.3%	4.1%
	17:00	7.1%	9.1%	8.6%	15.2%	6.3%	13.3%	3.3%
	18:00	7.1%	7.3%	4.9%	3.3%	0.4%	4.9%	0.8%
	19:00	7.1%	12.7%	4.9%	1.1%	0.0%	4.9%	0.8%
	20:00	3.5%	6.3%	2.5%	0.0%	0.0%	0.0%	0.0%
	21:00	1.8%	3.6%	0.6%	0.0%	0.0%	0.0%	0.0%
	22:00	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%
	23:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Appendix 9a . Interview responses by month at Tree Island Bar in the 1985-86 lower Fraser River sport fishery.

	1985			1986		
	Oct	Nov	Total	Oct	Nov	Total
Number of Interviews	114	79	193	56	41	97
Mean Angler Day Length (hr.)						
- All anglers	4.4	3.3	3.9	5.9	5.4	5.7
- Complete trip interviews						
Number	66	43	109	30	34	64
Hours	4.3	2.6	3.6	5.4	5.4	5.4
- Incomplete trip interviews						
Number	48	36	84	26	7	33
Hours	4.6	4.2	4.4	6.4	5.9	6.3
Mean number of anglers per party	1.6	1.5	1.6	1.7	1.3	1.5
Target Species						
- Coho	83	69	152	-	-	0
- Coho jack	1	-	1	-	-	0
- Anything	30	10	40	56	41	97
Harvested Catch						
- Coho	17	-	17	9	4	13
- Coho jack	41	8	49	8	14	22
- Cutthroat	2	-	2	-	-	0
- Dolly Varden	1	-	1	3	-	3
Released Catch						
- Coho jack	-	-	0	2	1	3
Inspection of Catch						
- Number	44	2	46	1	0	1
- Number correct	44	2	46	1	-	1
Gear						
- Bait	114	78	192	56	41	97
- Lure	0	1	1	0	0	0
In B.C. for Expo-86	-	-	-	0	0	0

Appendix 9b. Interview responses by month at Tree Island Bar in the 1987-88 lower Fraser River sport fishery.

	1987			1988			
	Oct	Nov	Total	Oct	Nov	Dec	Total
Number of Interviews	308	102	410	183	70	1	254
Mean Angler Day Length (hr.)							
- All anglers	5.2	4.7	5.1	6.8	5.7	6.0	6.5
- Complete trip interviews							
Number	184	96	280	124	45	1	170
Hours	4.4	4.7	4.5	6.1	5.1	6.0	5.8
- Incomplete trip interviews							
Number	124	6	130	59	25	0	84
Hours	6.4	4.8	6.3	8.2	6.7	-	7.8
Mean number of anglers per party	1.2	1.5	1.3	1.7	1.6	1.0	1.7
Target Species							
- Coho	258	76	334	1	68	1	70
- Anything	50	26	76	182	2	-	184
Harvested Catch							
- Coho	21	7	28	61	4	-	65
- Coho jack	196	34	230	3	-	-	3
- Chum	1	-	1	1	2	-	3
- Steelhead	-	-	0	2	-	-	2
- Rainbow	-	-	0	-	1	-	1
- Cutthroat	3	-	3	-	4	-	4
- Dolly Varden	2	4	6	4	3	-	7
Released Catch							
- Coho jack	6	1	7	-	-	-	0
- Dolly Varden	1	-	1	-	-	-	0
Inspection of Catch							
- Number	220	44	264	11	11	0	22
- Number correct	217	44	261	11	11	-	22
Gear							
- Bait	308	102	410	169	70	1	240
- Lure	0	0	0	14	0	0	14

Appendix 9c. Angler effort, number of interviews and estimated harvest by species and month at Tree Island Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b											
				Chinook		Coho									
				Adult	Jack	Adult	Jack	Pink	Sockeye	Chum	Cutthroat	Steelhead	Rainbow	Dolly Varden	Sturgeon
1985	Sep	3,078	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	2,654	114	0	0	100	237	0	0	0	17	0	0	6	0
	Nov	728	79	0	0	0	22	0	0	0	0	0	0	0	0
	Total	6,460	193	0	0	100	259	0	0	0	17	0	0	6	0
1986	May	202	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	425	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	110	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	215	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	4,196	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	4,373	56	0	0	146	102	0	0	0	0	0	0	29	0
	Nov	1,570	41	0	0	27	106	0	0	0	0	0	0	0	0
	Dec	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	11,091	97	0	0	173	208	0	0	0	0	0	0	29	0
1987	Mar	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Apr	170	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	149	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	343	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	96	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	873	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	1,564	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	6,891	308	0	0	94	973	0	0	2	13	0	0	10	0
	Nov	1,977	102	0	0	28	148	0	0	0	0	0	0	15	0
	Dec	46	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	12,109	410	0	0	122	1,121	0	0	2	13	0	0	25	0
1988	Apr	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	82	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	305	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	1,829	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	4,439	183	0	0	240	10	0	0	4	0	6	0	16	0
	Nov	1,608	70	0	0	16	0	0	0	7	26	0	5	14	0
	Dec	60	1	0	0	0	0	0	0	0	0	0	0	0	0
	Total	8,324	254	0	0	256	10	0	0	11	26	6	5	30	0

a. Angler effort during the unsurveyed months was estimated from the Tree Island Bar mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 9d. Estimated release by species and month at Tree Island Bar in the 1985-88 lower Fraser River sport fishery.

		Release a												
		Chinook		Coho										
Year	Month	Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon	Un-known
1985	Oct	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Oct	0	0	0	18	0	0	0	0	0	0	0	0	0
	Nov	0	0	0	10	0	0	0	0	0	0	0	0	0
1987	Oct	0	0	0	76	0	0	0	0	0	0	3	0	0
	Nov	0	0	0	5	0	0	0	0	0	0	0	0	0
1988	Oct	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0

a. Release was estimated only during months when a surveyor was stationed at the bar.

Appendix 9e. Estimated harvest, by month, species and mark type, at Tree Island Bar in the 1985-88 lower Fraser River sport fishery. a

		Coho adult		Coho jack		
Year	Month	AFC	AFC/ RPC	AFC	RPC	Cutthroat RMC
1985	Oct	0	0	11	13	0
	Nov	0	0	0	0	0
1986	Oct	22	0	0	0	0
	Nov	0	11	10	0	0
1987	Oct	0	0	41	0	13
	Nov	0	0	0	0	0
1988	Oct	4	0	0	0	0
	Nov	0	0	0	0	0
	Dec	0	0	0	0	0

a. Abbreviations are: AFC - adipose fin clip;
RPC - right pelvic fin clip;
RMC - right maxillary clip.

Appendix 9f. Mean proportion of daily angler effort per hour, by month and day type, at Tree Island Bar in the 1985-88 lower Fraser River sport fishery.

Day type	Hour	1985		1986		1987		1988	
		Oct	Nov	Oct	Nov	Oct	Nov	Oct	Nov
Weekday	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%
	6:00	0.3%	0.3%	3.3%	0.0%	0.0%	1.4%	1.8%	5.4%
	7:00	1.3%	1.0%	6.9%	1.4%	0.2%	5.0%	4.7%	13.0%
	8:00	2.6%	6.1%	8.7%	6.9%	2.1%	8.1%	7.4%	6.1%
	9:00	4.5%	9.8%	7.8%	7.6%	2.9%	9.8%	9.4%	10.4%
	10:00	7.1%	11.6%	8.2%	5.5%	5.6%	8.1%	10.2%	11.3%
	11:00	6.7%	11.6%	7.4%	8.3%	8.0%	12.2%	11.4%	13.0%
	12:00	10.1%	9.2%	8.4%	10.3%	10.1%	10.6%	13.0%	13.9%
	13:00	10.6%	7.9%	8.0%	11.7%	10.9%	10.6%	11.7%	11.3%
	14:00	11.6%	7.3%	10.0%	15.9%	11.7%	9.0%	10.2%	7.8%
	15:00	11.2%	6.1%	6.7%	15.9%	11.2%	8.1%	9.2%	6.1%
	16:00	8.7%	13.7%	9.1%	16.6%	11.3%	13.8%	5.7%	1.3%
	17:00	10.0%	10.7%	7.4%	0.0%	13.1%	3.3%	2.6%	0.2%
	18:00	8.0%	3.6%	5.6%	0.0%	9.5%	0.0%	1.3%	0.0%
	19:00	7.4%	1.2%	1.7%	0.0%	2.7%	0.0%	1.0%	0.0%
	20:00	0 0%	0.0%	0.4%	0.0%	0.6%	0.0%	0.4%	0.0%
	21:00	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
	22:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	23:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	24:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Weekend	2:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
	5:00	0.4%	0.8%	0.0%	0.0%	0.4%	0.1%	0.0%	0.0%
	6:00	2.7%	2.4%	1.0%	2.3%	0.8%	0.4%	0.7%	0.7%
	7:00	4.7%	3.2%	2.7%	6.2%	1.8%	1.2%	2.0%	2.8%
	8:00	6.2%	5.1%	3.5%	10.1%	8.0%	1.9%	4.1%	4.5%
	9:00	8.1%	10.0%	5.1%	12.5%	8.5%	14.0%	7.4%	7.3%
	10:00	7.1%	10.8%	4.3%	13.4%	9.5%	14.3%	9.0%	9.7%
	11:00	9.4%	13.1%	4.7%	14.4%	7.9%	14.0%	13.7%	12.5%
	12:00	9.5%	11.5%	3.9%	14.4%	7.9%	14.6%	14.7%	13.5%
	13:00	9.2%	13.8%	3.7%	12.8%	7.2%	12.4%	14.1%	13.5%
	14:00	8.8%	14.2%	6.4%	7.2%	7.8%	11.5%	11.4%	9.7%
	15:00	7.8%	15.0%	7.0%	3.3%	8.1%	9.0%	9.3%	9.7%
	16:00	8.1%	0.0%	11.7%	2.0%	10.2%	6.5%	6.8%	9.7%
	17:00	8.8%	0.0%	12.5%	1.3%	9.2%	0.0%	3.3%	5.1%
	18:00	6.2%	0.0%	12.1%	0.0%	8.9%	0.0%	1.9%	1.4%
	19:00	2.8%	0.0%	14.0%	0.0%	2.6%	0.0%	1.6%	0.0%
	20:00	0.4%	0.0%	5.3%	0.0%	0.8%	0.0%	0.0%	0.0%
	21:00	0.0%	0.0%	1.0%	0.0%	0.1%	0.0%	0.0%	0.0%
	22:00	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
	23:00	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
	24:00	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%

REGION 2 SITES: PITT RIVER TO SUMAS RIVER

Appendix 10a. Interview responses by month at Dewdney Bar the 1986 lower Fraser River sport fishery.

	Dec	Total
Number of Interviews	59	59
Mean Angler Day Length (hr.)		
- All anglers	4.1	4.1
- Complete trip interviews		
Number	39	39
Hours	3.8	3.8
- Incomplete trip interviews		
Number	20	20
Hours	4.7	4.7
Mean number of anglers per party	1.7	1.7
Target Species		
- Anything	59	59
Harvested Catch		
- Coho	8	8
- Coho jack	10	10
Released Catch		
- Chum	1	1
Inspection of Catch		
- Number	11	11
- Number correct	11	11
Gear		
- Bait	13	13
- Lure	46	46
In B.C. for Expo-86	0	0

Appendix 10b. Angler effort, number of interviews and estimated harvest by species and month at Dewdney Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b												
				Chinook		Coho			Sock-			Cut-	Steel-	Rain-	Dolly	Stur-
				Adult	Jack	Adult	Jack	Pink	eye	Chum	throat	head	bow	Varden	geon
1985	Sep	1,707	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	1,775	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	929	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	4,411	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	May	193	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	244	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	685	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	2,554	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	1,732	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	3,192	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	2,244	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	2,073	59	0	0	72	130	0	0	0	0	0	0	0	0
	Total	12,917	59	0	0	72	130	0	0	0	0	0	0	0	0
1987	Mar	444	0	-	-	-	-	-	-	-	-	-	-	-	-
	Apr	860	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	320	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	1,427	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	886	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	1,091	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	816	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	2,758	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	1,956	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	177	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	10,734	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Apr	490	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	1,894	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	1,765	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	411	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	430	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	165	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	1,582	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	1,225	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	57	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	8,019	0	-	-	-	-	-	-	-	-	-	-	-	-

a. Angler effort during the unsurveyed months was estimated from the Dewdney Bar mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 10c. Estimated release by species and month at Dewdney Bar in the 1986 lower Fraser River sport fishery.

		Release a												
		Chinook		Coho										
Year	Month	Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon	Un-known
1986	Dec	0	0	0	0	0	0	21	0	0	0	0	0	0

a. Release was estimated only during months when a surveyor was stationed at the bar.

Appendix 10d. Estimated harvest, by month, species and mark type, at Dewdney Bar in the 1986 lower Fraser River sport fishery. a

		Coho adult		
Year	Month	AFC	LPC	RPC
1986	Dec	21	5	21

a. Abbreviations are: AFC - adipose fin clip; LPC, RPC - left or right pelvic fin clip.

Appendix 10e. Mean proportion of daily angler effort per hour, by month and day type, at Dewdney Bar in the 1986 lower Fraser River sport fishery.

	December 1986	
Hour	Weekday	Weekend
3:00	0.0%	0.0%
4:00	0.0%	0.0%
5:00	0.0%	0.0%
6:00	0.0%	0.0%
7:00	0.0%	1.2%
8:00	4.1%	4.3%
9:00	12.2%	9.2%
10:00	12.2%	10.1%
11:00	14.3%	14.0%
12:00	16.3%	14.0%
13:00	20.4%	12.5%
14:00	12.2%	12.5%
15:00	4.1%	12.1%
16:00	4.1%	9.2%
17:00	0.0%	0.9%
18:00	0.0%	0.0%
19:00	0.0%	0.0%
20:00	0.0%	0.0%
21:00	0.0%	0.0%
22:00	0.0%	0.0%
23:00	0.0%	0.0%
24:00	0.0%	0.0%

Appendix 11a. Interview responses by month at Duncan Bar in the 1985 lower Fraser River sport fishery.

	Sep	Oct	Nov	Total
Number of Interviews	131	214	160	505
Mean Angler Day Length (hr.)				
- All anglers	5.3	6.3	5.6	5.8
- Complete trip interviews				
Number	85	102	87	274
Hours	5.1	5.1	4.8	5.0
- Incomplete trip interviews				
Number	46	112	73	231
Hours	5.6	7.4	6.6	6.8
Mean number of anglers per party	2.1	2.1	1.9	2.0
Target Species				
- Coho	75	173	149	397
- Coho jack	1	2	-	3
- Chum	1	-	-	1
- Steelhead	1	2	2	5
- Cutthroat	-	1	-	1
- Anything	53	36	9	98
Harvested Catch				
- Chinook	1	-	-	1
- Coho	3	19	8	30
- Coho jack	3	70	32	105
- Steelhead	-	2	-	2
- Cutthroat	13	12	7	32
- Dolly Varden	-	1	-	1
Released Catch				
- Chinook	1	-	-	1
- Chum	18	2	-	20
- Cutthroat	1	-	1	2
- Unknown	3	1	-	4
Inspection of Catch				
- Number	20	99	37	156
- Number correct	20	99	37	156
Gear				
- Bait	130	214	159	503
- Lure	1	-	1	2

Appendix 11b. Interview responses by month at Duncan Bar in the 1986 lower Fraser River sport fishery.

	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Number of Interviews	163	306	578	629	196	405	75	5	2,357
Mean Angler Day Length (hr.)									
- All anglers	6.5	6.4	6.8	6.7	5.8	7.1	5.4	4.0	6.6
- Complete trip interviews									
Number	81	136	223	314	133	225	47	5	1,164
Hours	5.0	5.7	6.3	5.4	4.7	6.2	3.9	4.0	5.6
- Incomplete trip interviews									
Number	82	170	355	315	63	180	28	0	1,193
Hours	8.0	7.0	7.1	8.0	8.0	8.2	7.9	-	7.6
Mean number of anglers per party	1.9	2.0	2.0	-	2.0	2.4	1.8	1.8	1.5
Target Species									
- Coho	-	-	-	-	81	367	75	2	525
- Steelhead	-	2	-	-	-	-	-	3	5
- Cutthroat	-	-	-	-	1	-	-	-	1
- Sturgeon	3	-	-	-	-	-	-	-	3
- Anything	160	304	578	629	114	38	-	-	1,823
Harvested Catch									
- Chinook	-	-	1	-	1	1	-	-	3
- Chinook jack	1	10	58	31	1	1	-	-	102
- Coho	-	-	-	-	1	19	8	-	28
- Coho jack	-	-	-	5	7	48	15	-	75
- Chum	-	-	-	-	-	1	-	-	1
- Steelhead	5	1	2	-	-	-	-	-	8
- Rainbow	-	-	-	-	1	-	1	-	2
- Cutthroat	2	-	-	8	6	13	2	-	31
- Dolly Varden	-	1	1	3	-	3	-	-	8
Released Catch									
- Chinook	-	-	1	1	-	-	-	-	2
- Steelhead	-	-	1	2	1	-	-	-	4
- Cutthroat	-	2	-	-	2	7	-	-	11
- Dolly Varden	1	-	-	-	-	-	-	-	1
- Sturgeon	1	12	2	-	-	-	-	-	15
- Unknown	3	-	1	-	1	5	-	-	10
Inspection of Catch									
- Number	6	8	37	26	3	28	8	-	116
- Number correct	6	8	37	26	3	28	8	-	116
Gear									
- Bait	158	295	578	624	194	405	75	5	2,334
- Lure	0	2	0	1	0	0	0	0	3
- Bait/Lure	5	9	0	4	2	0	0	0	20
In B.C. for Expo-86	1	3	3	3	0	0	0	0	10

Appendix 11c. Interview responses by month at Duncan Bar in the 1987 lower Fraser River sport fishery.

	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Total
Number of Interviews	37	81	168	209	200	174	162	280	181	1,492
Mean Angler Day Length (hr.)										
- All anglers	4.9	6.7	7.8	8.3	6.9	5.3	6.0	6.3	5.6	6.6
- Complete trip interviews										
Number	32	45	114	106	101	113	74	108	131	824
Hours	4.9	6.1	7.1	7.9	6.4	5.1	4.9	5.4	4.9	5.9
- Incomplete trip interviews										
Number	5	36	54	103	99	61	88	172	50	668
Hours	5.0	7.5	9.1	8.7	7.4	5.8	6.9	6.8	7.2	7.3
Mean number of anglers per party	1.8	2.5	2.7	2.8	2.2	2.4	2.1	2.2	1.8	2.3
Target Species										
- Chinook	-	-	106	191	193	-	-	-	-	490
- Chinook jack	-	-	2	14	-	-	-	-	-	16
- Coho	-	-	-	-	-	-	-	15	15	30
- Cutthroat	-	-	-	1	-	-	-	-	-	1
- Sturgeon	-	3	5	2	1	-	-	-	-	11
- Anything	37	78	55	1	6	174	162	265	166	944
Harvested Catch										
- Chinook	-	-	22	27	2	-	-	-	-	51
- Chinook jack	-	-	8	8	8	5	1	-	-	30
- Coho	-	-	-	-	-	-	1	13	5	19
- Coho jack	-	-	-	-	-	-	-	16	16	32
- Chum	-	-	-	-	-	1	-	-	-	1
- Steelhead	-	-	-	-	1	-	-	-	-	1
- Rainbow	-	-	-	-	-	-	-	1	-	1
- Cutthroat	6	3	-	-	1	2	2	-	2	16
- Dolly Varden	-	1	1	1	-	-	-	-	-	3
- Sturgeon	-	2	1	-	1	-	-	-	-	4
Released Catch										
- Chinook	-	-	1	3	-	-	-	-	-	4
- Cutthroat	-	4	-	-	-	-	-	-	-	4
- Dolly Varden	-	-	-	-	-	-	1	-	-	1
- Sturgeon	-	11	1	-	-	-	-	-	-	12
- Unknown	-	1	-	-	-	-	-	-	-	1
Inspection of Catch										
- Number	4	5	29	34	11	6	4	30	23	146
- Number correct	4	5	29	34	11	6	4	30	23	146
Gear										
- Bait	37	81	168	208	199	171	162	278	0	1,304
- Lure	0	0	0	0	1	0	0	2	0	3
- Bait/Lure	0	0	0	1	0	3	0	0	0	4

Appendix 11d. Interview responses by month at Duncan Bar in the 1988 lower Fraser River sport fishery.

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Number of interviews	17	150	167	369	134	87	516	230	8	1,678
Mean Angler Day Length (hr.)										
- All anglers	5.0	5.1	7.0	7.4	6.1	5.3	7.7	6.1	3.1	6.8
- Complete trip interviews										
Number	10	104	104	229	94	59	327	126	8	1,061
Hours	4.7	4.7	5.7	6.1	5.1	5.2	7.2	5.4	3.1	6.0
- Incomplete trip interviews										
Number	7	46	63	140	40	28	189	104	0	617
Hours	5.4	6.2	9.3	9.4	8.4	5.6	8.6	7.0	-	8.2
Mean number of anglers in party	1.3	1.5	1.6	1.9	1.6	1.8	2.5	2.0	1.5	2.0
Target Species										
- Chinook	-	-	-	187	29	-	-	-	-	216
- Steelhead	-	5	-	-	8	-	-	-	-	13
- Cutthroat	-	2	-	-	-	-	-	-	-	2
- Sturgeon	-	4	-	-	-	-	-	-	-	4
- Anything	17	139	167	182	97	87	516	230	8	1,443
Harvested Catch										
- Chinook	-	1	-	-	-	-	-	-	-	1
- Chinook jack	-	1	12	25	3	1	2	-	-	44
- Coho	-	-	-	-	1	9	114	83	-	207
- Coho jack	-	-	-	1	-	3	58	67	-	129
- Chum	-	-	-	-	-	-	3	-	-	3
- Steelhead	-	3	1	2	-	-	1	-	-	7
- Rainbow	-	-	-	-	1	1	-	-	-	2
- Cutthroat	-	-	4	2	-	3	39	1	-	49
- Dolly Varden	-	-	-	-	-	1	1	-	-	2
Released Catch										
- Steelhead	-	1	-	-	-	-	-	-	-	1
- Rainbow	-	2	-	-	-	-	-	-	-	2
- Cutthroat	-	-	-	-	-	3	-	1	-	4
Inspection of Catch										
- Number	0	0	11	14	5	13	31	101	0	175
- Number correct	-	-	11	14	3	12	31	101	-	172
Gear										
- Bait	17	136	159	363	134	86	510	228	8	1,641
- Lure	0	0	0	0	0	0	2	1	0	
- Bait/Lure	0	3	8	6	0	1	4	1	0	23

Appendix 11e. Angler effort, number of interviews and estimated harvest by species and month at Duncan Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b											
				Chinook		Coho									
				Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon
1985	Sep	6,440	131	5	0	20	20	0	0	0	140	0	0	0	0
	Oct	12,836	214	0	0	454	651	0	0	0	287	9	0	14	0
	Nov	2,116	160	0	0	19	94	0	0	0	16	0	0	0	0
	Total	21,392	505	5	0	493	765	0	0	0	443	9	0	14	0
1986	May	2,531	163	0	2	0	0	0	0	0	3	14	0	0	0
	Jun	3,574	306	0	17	0	0	0	0	0	0	1	0	1	0
	Jul	6,326	578	1	111	0	0	0	0	0	0	5	0	2	0
	Aug	5,926	629	0	52	0	8	0	0	0	13	0	0	4	0
	Sep	4,694	196	21	3	3	61	0	0	0	27	0	3	0	0
	Oct	15,674	405	6	3	156	425	0	0	5	112	0	0	16	0
	Nov	2,842	75	0	0	55	104	0	0	0	17	0	5	0	0
	Dec	134	5	0	0	0	0	0	0	0	0	0	0	0	0
	Total	41,701	2,357	28	188	214	598	0	0	5	172	20	8	23	0
1987	Mar	854	37	0	0	0	0	0	0	0	29	0	0	0	0
	Apr	880	81	0	0	0	0	0	0	0	6	0	0	2	4
	May	2,755	168	55	19	0	0	0	0	0	0	0	0	2	1
	Jun	2,888	209	53	9	0	0	0	0	0	0	0	0	1	0
	Jul	3,164	200	16	31	0	0	0	0	0	1	6	0	0	1
	Aug	4,501	174	0	24	0	0	0	0	10	13	0	0	0	0
	Sep	2,707	162	0	3	3	0	0	0	0	8	0	0	0	0
	Oct	8,675	280	0	0	124	152	0	0	0	0	0	11	0	0
	Nov	3,723	181	0	0	20	65	0	0	0	5	0	0	0	0
	Dec	310	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	30,457	1,492	124	86	147	217	0	0	10	52	6	11	5	6
1988	Apr	698	17	0	0	0	0	0	0	0	0	0	0	0	0
	May	1,277	150	2	2	0	0	0	0	0	0	5	0	0	0
	Jun	2,377	167	0	20	0	0	0	0	0	12	6	0	0	0
	Jul	3,873	369	0	39	0	2	0	0	0	2	4	0	0	0
	Aug	3,322	134	0	14	5	0	0	0	0	0	0	4	0	0
	Sep	5,127	87	0	21	155	27	0	0	0	39	0	11	9	0
	Oct	14,565	516	0	11	421	235	0	0	16	166	5	0	6	0
	Nov	3,830	230	0	0	279	205	0	0	0	2	0	0	0	0
	Dec	85	8	0	0	0	0	0	0	0	0	0	0	0	0
	Total	35,154	1,678	2	107	860	469	0	0	16	221	20	15	15	0

a. Angler effort during the unsurveyed months was estimated from the Duncan Bar mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 11f. Estimated release by species and month at Duncan Bar in the 1985-88 lower Fraser River sport fishery.

		Release a												
		Chinook		Coho		Sock-			Cut-	Steel-	Rain-	Dolly	Stur-	Un-
Year	Month	Adult	Jack	Adult	Jack	Pink	eye	Chum	throat	head	bow	Varden	geon	known
1985	Sep	5	0	0	0	0	0	110	5	0	0	0	0	35
	Oct	0	0	0	0	0	0	18	0	0	0	0	0	5
	Nov	0	0	0	0	0	0	0	2	0	0	0	0	0
	Total	5	0	0	0	0	0	128	7	0	0	0	0	40
1986	May	0	0	0	0	0	0	0	0	0	0	3	3	5
	Jun	0	0	0	0	0	0	0	2	0	0	0	34	0
	Jul	2	0	0	0	0	0	0	0	2	0	0	3	2
	Aug	2	0	0	0	0	0	0	0	2	0	0	0	0
	Sep	0	0	0	0	0	0	0	6	3	0	0	0	9
	Oct	0	0	0	0	0	0	0	35	0	0	0	0	44
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	4	0	0	0	0	0	0	43	7	0	3	40	60
1987	Mar	0	0	0	0	0	0	0	0	0	0	0	0	0
	Apr	0	0	0	0	0	0	0	6	0	0	0	28	1
	May	2	0	0	0	0	0	0	0	0	0	0	5	0
	Jun	4	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	0	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sep	0	0	0	0	0	0	0	0	0	0	3	0	0
	Oct	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	6	0	0	0	0	0	0	6	0	0	3	33	1
1988	Apr	0	0	0	0	0	0	0	0	0	0	0	0	0
	May	0	0	0	0	0	0	0	0	2	2	0	0	0
	Jun	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	0	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sep	0	0	0	0	0	0	0	27	0	0	0	0	0
	Oct	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	2	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	29	2	2	0	0	0

a. Release was estimated only during months when a surveyor was stationed at the bar.

Appendix 11g. Estimated harvest, by month, species and mark type, at Duncan Bar in the 1985-88 lower Fraser River sport fishery. a

Year	Month	Chinook adult AFC	Chinook jack AFC	Coho adult AFC	Coho adult LPC	Coho adult RPC	Coho jack AFC	Coho jack LPC	Coho jack RPC	Chum AFC	Steel-head AFC	Cutthroat AFC	Cutthroat LMC	Cutthroat AFC/LMC	Cutthroat AFC/RMC
1985	Sep	0	0	0	0	0	5	0	0	0	0	30	0	0	0
	Oct	0	2	5	0	0	34	47	163	0	0	0	37	0	0
	Nov	0	0	0	0	0	5	0	37	0	0	0	0	0	0
	Total	0	2	5	0	0	44	47	200	0	0	30	37	0	0
1986	May	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	0	4	0	0	0	0	0	0	0	0	0	0	0	0
	Sep	0	0	0	0	0	7	0	0	0	0	0	0	0	0
	Oct	0	0	0	16	12	11	0	0	0	0	28	0	0	0
	Nov	0	0	0	0	13	6	0	0	0	0	3	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	4	0	16	25	24	0	0	0	0	31	0	0	0
1987	Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Apr	0	0	0	0	0	0	0	0	0	0	3	0	0	0
	May	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	0	0	0	0	0	0	0	0	10	0	0	0	3	0
	Sep	0	0	0	0	0	0	0	0	0	0	8	0	0	0
	Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	0	0	0	0	0	0	0	0	10	0	11	0	3	0
1988	Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	May	0	0	0	0	0	0	0	0	0	2	0	0	0	0
	Jun	6	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	0	8	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sep	0	0	9	0	0	9	0	0	0	0	30	0	0	9
	Oct	0	0	13	0	0	6	0	0	0	0	28	10	11	0
	Nov	0	0	4	0	0	0	0	0	0	0	0	0	2	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	6	8	26	0	0	15	0	0	0	2	58	10	13	9

a. Abbreviations are: AFC - adipose fin clip;
LPC, RPC - left or right pelvic fin clip;
LMC, RMC - left or right maxillary clip.

Appendix 11h. Mean proportion of daily angler effort per hour, by month and day type, at Duncan Bar in the 1985-88 lower Fraser River sport fishery.

Day type	Hour	1985			1986								1987		
		Sep	Oct	Nov	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mar	Apr	May
Weekday	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.1%	0.0%	0.0%	0.4%	0.1%	0.4%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
	6:00	1.2%	1.0%	0.0%	1.9%	0.5%	1.7%	0.4%	1.7%	0.9%	0.7%	0.0%	0.0%	0.6%	0.0%
	7:00	2.9%	2.3%	1.7%	4.8%	1.1%	3.7%	1.2%	3.7%	2.7%	4.3%	0.0%	0.0%	1.6%	0.0%
	8:00	5.0%	5.2%	5.0%	5.1%	2.1%	4.6%	2.4%	5.1%	5.7%	10.3%	0.0%	0.0%	4.9%	3.0%
	9:00	6.2%	6.6%	6.2%	6.1%	2.6%	5.4%	5.4%	7.5%	6.8%	8.0%	12.5%	0.0%	6.5%	4.5%
	10:00	8.6%	9.1%	9.6%	10.2%	3.4%	6.4%	6.6%	8.0%	9.0%	11.2%	12.5%	0.0%	9.8%	5.2%
	11:00	9.6%	10.3%	14.1%	15.0%	3.4%	7.0%	5.4%	9.4%	10.4%	13.5%	25.0%	6.5%	9.8%	5.2%
	12:00	9.9%	10.1%	14.1%	11.9%	3.8%	8.1%	8.6%	13.4%	10.3%	12.8%	25.0%	10.9%	11.7%	8.5%
	13:00	10.0%	10.6%	14.8%	11.3%	7.2%	8.6%	8.6%	14.0%	9.6%	12.5%	25.0%	21.7%	12.7%	10.3%
	14:00	9.6%	10.6%	13.1%	10.2%	6.8%	8.0%	9.7%	10.0%	11.2%	10.3%	0.0%	21.7%	14.6%	11.4%
	15:00	9.2%	9.8%	11.9%	7.3%	6.1%	7.9%	8.6%	8.4%	9.8%	9.6%	0.0%	8.7%	10.7%	11.2%
	16:00	9.1%	10.4%	8.4%	3.8%	9.1%	7.0%	9.5%	5.6%	9.8%	5.8%	0.0%	8.7%	12.2%	14.9%
	17:00	6.4%	7.1%	0.8%	2.1%	8.9%	6.4%	8.0%	4.7%	7.3%	0.6%	0.0%	8.7%	4.9%	12.1%
	18:00	4.8%	6.1%	0.3%	3.4%	8.5%	5.7%	7.0%	3.7%	5.7%	0.2%	0.0%	8.7%	0.0%	7.0%
	19:00	4.1%	0.6%	0.0%	3.4%	9.4%	6.1%	7.6%	4.7%	0.5%	0.1%	0.0%	4.3%	0.0%	4.2%
	20:00	2.6%	0.0%	0.0%	2.1%	10.6%	5.4%	7.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%
	21:00	0.8%	0.0%	0.0%	0.8%	10.5%	5.2%	3.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%
	22:00	0.0%	0.0%	0.0%	0.0%	5.2%	2.1%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
	23:00	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
	24:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Weekend	2:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.4%	0.1%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.0%	0.1%	0.0%	1.0%	0.5%	1.5%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	6:00	0.8%	1.3%	0.3%	2.0%	2.1%	3.7%	2.7%	1.4%	0.4%	2.0%	0.0%	0.0%	0.0%	0.0%
	7:00	3.8%	3.5%	5.5%	3.2%	4.5%	5.7%	5.4%	5.0%	4.2%	6.3%	11.1%	0.0%	1.3%	0.0%
	8:00	8.3%	8.0%	11.3%	6.0%	6.6%	7.1%	6.5%	8.8%	5.8%	10.7%	22.2%	0.0%	1.3%	4.1%
	9:00	8.5%	8.9%	11.3%	6.8%	8.1%	7.7%	7.8%	9.7%	5.9%	10.7%	22.2%	0.0%	6.7%	4.6%
	10:00	10.0%	10.9%	13.2%	7.7%	8.0%	8.6%	8.2%	11.2%	8.0%	11.9%	22.2%	0.0%	9.1%	6.0%
	11:00	11.3%	13.2%	13.4%	9.1%	9.1%	8.6%	8.8%	12.4%	11.1%	12.1%	22.2%	8.4%	8.8%	7.0%
	12:00	9.4%	13.1%	13.6%	9.4%	8.5%	9.0%	8.4%	9.1%	11.6%	10.7%	0.0%	10.5%	9.7%	9.8%
	13:00	10.5%	13.7%	14.1%	9.5%	8.7%	8.9%	8.6%	9.2%	11.5%	10.1%	0.0%	16.8%	10.6%	10.8%
	14:00	10.5%	10.8%	10.1%	9.6%	8.5%	8.8%	8.7%	9.2%	10.9%	8.9%	0.0%	17.5%	11.8%	11.5%
	15:00	9.8%	9.2%	7.1%	8.3%	8.0%	8.1%	8.1%	10.9%	9.5%	8.7%	0.0%	15.4%	11.4%	10.7%
	16:00	6.3%	4.0%	0.0%	7.2%	7.0%	6.1%	7.2%	7.6%	8.7%	7.5%	0.0%	11.5%	10.1%	12.5%
	17:00	4.3%	2.3%	0.0%	5.9%	6.7%	4.8%	5.6%	2.2%	6.2%	0.4%	0.0%	11.5%	8.4%	11.7%
	18:00	3.8%	0.9%	0.0%	4.2%	5.5%	3.5%	4.4%	1.5%	5.4%	0.2%	0.0%	8.4%	8.4%	6.0%
	19:00	2.3%	0.0%	0.0%	4.3%	4.0%	2.5%	4.0%	1.5%	0.8%	0.1%	0.0%	0.0%	2.5%	3.8%
	20:00	0.5%	0.0%	0.0%	3.4%	2.6%	2.2%	3.1%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	1.2%
	21:00	0.0%	0.0%	0.0%	1.8%	1.1%	2.0%	1.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%
	22:00	0.0%	0.0%	0.0%	0.2%	0.4%	0.7%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
	23:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%

Continued

Appendix 11h. Mean proportion of daily angler effort per hour, by month and day type, at Duncan Bar in the 1985-88 lower Fraser River sport fishery, continued.

Day type	Hour	1987						1988							
		Jun	Jul	Aug	Sep	Oct	Nov	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Weekday	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.0%	0.0%	0.2%	0.5%	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.2%	0.1%
	6:00	0.0%	0.0%	0.8%	1.7%	0.4%	1.7%	0.0%	0.4%	0.0%	0.3%	0.3%	0.4%	0.8%	1.7%
	7:00	0.0%	0.8%	1.6%	3.5%	1.5%	5.7%	0.0%	0.9%	0.3%	0.9%	0.8%	1.5%	2.7%	4.3%
	8:00	4.4%	3.8%	2.7%	7.0%	4.0%	8.9%	1.9%	1.8%	1.4%	0.9%	1.7%	1.5%	4.4%	4.8%
	9:00	6.6%	7.5%	4.8%	8.1%	5.3%	10.5%	1.9%	1.8%	3.7%	4.2%	3.8%	6.1%	6.6%	5.9%
	10:00	8.5%	9.8%	7.0%	10.5%	6.5%	12.1%	7.4%	3.2%	8.5%	8.2%	3.8%	6.1%	8.2%	7.9%
	11:00	9.5%	12.4%	7.5%	11.6%	10.4%	12.1%	9.9%	6.0%	10.5%	12.6%	8.9%	6.1%	9.4%	9.1%
	12:00	9.8%	13.2%	11.8%	11.8%	11.5%	11.3%	14.8%	11.4%	12.8%	13.2%	11.0%	9.5%	10.9%	9.5%
	13:00	11.2%	13.0%	8.8%	7.8%	12.2%	9.7%	19.8%	13.9%	12.6%	11.1%	10.8%	10.6%	11.5%	11.0%
	14:00	11.4%	11.8%	9.9%	10.0%	12.7%	8.9%	17.3%	13.6%	10.4%	11.3%	8.5%	11.0%	11.2%	12.3%
	15:00	11.2%	11.1%	11.8%	11.8%	11.2%	7.7%	19.8%	13.1%	7.8%	9.7%	7.4%	9.1%	10.6%	12.0%
	16:00	10.2%	7.9%	9.6%	5.2%	8.4%	6.9%	3.7%	10.7%	7.2%	8.4%	10.2%	10.6%	8.5%	12.3%
	17:00	8.3%	4.5%	9.1%	3.5%	5.9%	3.2%	3.7%	7.5%	6.0%	5.5%	9.3%	9.1%	6.0%	5.2%
	18:00	4.0%	1.9%	5.4%	3.5%	6.5%	0.9%	0.0%	4.3%	5.5%	4.3%	5.9%	9.1%	3.2%	1.3%
	19:00	3.1%	0.8%	4.3%	3.5%	2.5%	0.2%	0.0%	2.7%	5.1%	3.0%	5.1%	7.6%	2.4%	0.9%
	20:00	1.1%	0.4%	3.2%	0.0%	0.9%	0.0%	0.0%	2.7%	4.3%	3.0%	5.5%	1.5%	1.4%	0.7%
	21:00	0.6%	0.4%	1.1%	0.0%	0.2%	0.0%	0.0%	2.7%	2.9%	1.8%	4.2%	0.0%	0.9%	0.4%
	22:00	0.1%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%	2.2%	1.0%	1.2%	2.1%	0.0%	0.7%	0.3%
	23:00	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.3%	0.4%	0.0%	0.4%	0.3%
	24:00	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
Weekend	2:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
	5:00	0.0%	0.0%	0.0%	0.3%	0.4%	0.1%	0.0%	0.0%	0.0%	0.2%	0.0%	0.5%	0.2%	0.3%
	6:00	0.0%	0.3%	0.6%	1.3%	0.7%	0.2%	0.0%	0.3%	0.0%	0.5%	0.3%	2.0%	1.5%	1.9%
	7:00	0.0%	0.9%	1.1%	2.5%	2.3%	1.4%	0.0%	2.8%	1.1%	1.1%	1.4%	3.5%	4.9%	4.6%
	8:00	3.3%	4.8%	1.4%	4.6%	6.3%	3.2%	0.0%	4.2%	1.5%	3.3%	3.0%	4.7%	6.4%	6.6%
	9:00	5.5%	8.5%	4.0%	7.6%	10.4%	8.9%	0.0%	4.2%	5.8%	6.0%	5.1%	7.6%	6.6%	7.2%
	10:00	6.8%	10.3%	5.4%	9.7%	12.1%	11.4%	0.0%	6.3%	8.0%	7.7%	7.1%	10.2%	7.7%	8.4%
	11:00	7.7%	10.6%	8.7%	10.8%	11.4%	12.3%	12.0%	9.0%	11.6%	9.2%	9.5%	9.6%	8.9%	10.0%
	12:00	9.5%	12.3%	9.4%	11.1%	13.7%	13.5%	8.0%	12.3%	10.3%	8.0%	9.5%	12.6%	9.2%	11.8%
	13:00	9.7%	11.0%	10.8%	10.7%	14.4%	13.1%	8.0%	11.8%	11.5%	11.4%	9.1%	12.3%	9.7%	12.0%
	14:00	11.2%	11.0%	11.9%	10.4%	13.4%	11.4%	16.0%	11.5%	11.6%	10.9%	9.6%	12.8%	10.0%	13.4%
	15:00	11.2%	10.7%	11.4%	9.2%	12.8%	10.6%	8.0%	9.3%	10.7%	9.2%	8.4%	11.4%	9.5%	11.6%
	16:00	11.0%	7.7%	9.0%	8.3%	1.8%	6.1%	16.0%	7.1%	8.6%	8.6%	8.4%	8.2%	8.4%	9.0%
	17:00	8.4%	6.1%	8.3%	7.1%	0.5%	5.3%	16.0%	6.6%	6.7%	6.9%	8.1%	3.7%	5.8%	3.2%
	18:00	7.0%	3.5%	7.6%	4.3%	0.0%	2.1%	16.0%	5.4%	4.2%	5.6%	7.4%	0.4%	4.2%	0.1%
	19:00	4.2%	1.3%	5.1%	1.6%	0.0%	0.4%	0.0%	3.3%	3.3%	4.0%	4.7%	0.4%	5.6%	0.0%
	20:00	2.0%	0.8%	2.9%	0.4%	0.0%	0.0%	0.0%	2.3%	2.5%	3.3%	4.1%	0.2%	0.8%	0.0%
	21:00	1.3%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	2.1%	1.8%	2.5%	2.7%	0.0%	0.3%	0.0%
	22:00	0.9%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	1.2%	0.7%	1.3%	1.4%	0.0%	0.0%	0.0%
	23:00	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.1%	0.2%	0.2%	0.0%	0.0%	0.0%

Appendix 12a. Interview responses by month at Edgewater Bar in the 1985 lower Fraser River sport fishery.

	Sep	Oct	Nov	Total
Number of Interviews	577	736	346	1,659
Mean Angler Day Length (hr.)				
- All anglers	5.8	6.6	5.5	6.1
- Complete trip interviews				
Number	290	358	181	829
Hours	4.4	5.6	4.3	4.9
- Incomplete trip interviews				
Number	287	378	165	830
Hours	7.1	7.3	6.9	7.2
Mean number of anglers per party	1.9	2.0	2.0	2.0
Target Species				
- Chinook	5	-	-	5
- Coho	305	609	330	1,244
- Coho jack	11	2	-	13
- Sockeye	1	-	-	1
- Pink	2	-	-	2
- Chum	2	-	-	2
- Steelhead	1	4	1	6
- Cutthroat	2	-	-	2
- Anything	247	121	15	383
Harvested Catch				
- Chinook	1	-	-	1
- Chinook jack	1	7	-	8
- Coho	16	46	21	83
- Coho jack	11	168	53	232
- Chum	1	2	-	3
- Steelhead	-	3	-	3
- Cutthroat	17	29	6	52
- Dolly Varden	-	2	-	2
Released Catch				
- Chinook	-	1	-	1
- Coho	1	-	-	1
- Coho jack	6	-	-	6
- Chum	17	5	-	22
- Pink	1	3	-	4
- Cutthroat	4	2	-	6
- Unknown	11	5	1	17
Inspection of Catch				
- Number	39	240	61	340
- Number correct	39	240	61	340
Gear				
- Bait	575	735	345	1,655
- Lure	0	1	1	2
- Bait/Lure	1	0	0	1

Appendix 12b. Interview responses by month at Edgewater Bar in the 1986 lower Fraser River sport fishery.

	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Number of Interviews	404	587	1,212	1,116	1,000	1,206	295	58	5,878
Mean Angler Day Length (hr.)									
- All anglers	6.8	6.0	7.7	8.7	6.3	6.4	5.1	3.7	7.0
- Complete trip interviews									
Number	224	366	486	291	553	582	162	37	2,701
Hours	5.6	5.0	6.4	5.8	4.9	4.8	3.7	3.8	5.2
- Incomplete trip interviews									
Number	180	221	726	825	447	624	133	21	3,177
Hours	8.3	7.7	8.5	9.8	7.6	7.9	6.8	3.6	8.4
Mean number of anglers per party	1.8	2.0	2.2	2.3	2.2	2.4	1.7	1.7	2.2
Target Species									
- Chinook	-	-	-	1	-	-	-	-	1
- Chinook jack	-	-	-	1	-	-	-	-	1
- Coho	-	-	-	139	284	1,040	291	-	1,754
- Coho jack	-	-	-	4	-	-	-	-	4
- Sockeye	-	-	-	-	1	2	-	-	3
- Steelhead	-	3	-	-	-	-	-	18	21
- Sturgeon	3	-	-	-	-	-	-	6	9
- Anything	401	584	1,212	971	715	184	4	34	4,085
Harvested Catch									
- Chinook	-	-	-	2	-	2	-	-	4
- Chinook jack	2	12	209	74	10	5	-	-	312
- Coho	-	-	-	-	8	41	19	-	68
- Coho jack	-	-	2	6	10	113	43	-	174
- Chum	-	-	-	-	2	-	-	-	2
- Steelhead	2	1	6	-	-	-	-	-	9
- Rainbow	-	-	-	-	1	1	-	-	2
- Cutthroat	8	-	-	7	24	6	2	2	49
- Dolly Varden	1	7	6	3	-	1	1	-	19
- Sturgeon	-	1	-	-	-	-	-	-	1
Released Catch									
- Chinook	-	-	-	1	-	-	-	-	1
- Chinook jack	-	-	1	-	-	-	-	-	1
- Coho	-	-	-	-	-	2	1	-	3
- Coho jack	-	-	-	-	-	2	-	1	3
- Chum	-	-	-	-	9	-	-	-	9
- Steelhead	1	-	-	1	-	-	-	-	2
- Cutthroat	1	1	-	1	-	1	-	1	5
- Sturgeon	-	-	-	-	1	-	-	-	1
- Unknown	-	-	-	22	9	12	-	1	44
Inspection of Catch									
- Number	8	12	187	42	6	65	47	1	368
- Number correct	8	12	187	42	6	65	47	1	368

Continued

Appendix 12b. Interview responses by month at Edgewater Bar in the 1986 lower Fraser River sport fishery, continued.

	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Gear									
- Bait	399	540	1,212	1,113	995	1,205	295	58	5,817
- Lure	1	3	-	2	-	1	-	-	7
- Bait/Lure	4	10	-	1	5	-	-	-	20
In B.C. for Expo-86	7	7	9	4	-	-	-	-	27

Appendix 12c. Interview responses by month at Edgewater Bar in the 1987 lower Fraser River sport fishery.

	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Number of Interviews	182	309	534	867	576	850	1,045	1,136	619	91	6,209
Mean Angler Day Length (hr.)											
- All anglers	5.2	5.9	6.9	7.4	7.1	6.7	6.0	6.7	5.8	4.6	6.5
- Complete trip interviews											
Number	127	225	330	491	307	456	742	675	396	77	3,826
Hours	4.8	5.2	6.2	6.7	6.7	6.1	5.9	6.2	5.4	4.6	6.0
- Incomplete trip interviews											
Number	55	84	204	376	269	394	303	461	223	14	2,383
Hours	6.1	7.8	8.1	8.4	7.6	7.3	6.0	7.5	6.5	4.2	7.3
Mean number of anglers per party	2.7	1.8	2.2	2.3	2.4	2.8	2.5	2.4	1.9	1.6	2.4
Target Species											
- Chinook	-	-	5	2	-	-	-	1	-	-	8
- Coho	-	-	-	-	-	-	-	34	51	-	85
- Steelhead	-	4	-	-	-	-	-	-	-	-	4
- Cutthroat	12	19	-	-	-	-	-	-	-	-	31
- Anything	170	286	529	865	576	850	1,045	1,101	568	91	6,081
Harvested Catch											
- Chinook	-	-	11	3	1	1	1	-	-	-	17
- Chinook jack	-	-	2	22	17	20	6	-	2	-	69
- Coho	-	-	-	-	-	1	7	39	17	-	64
- Coho jack	-	-	-	-	-	5	12	144	77	-	238
- Pink	-	-	-	-	-	-	1	-	-	-	1
- Steelhead	1	-	3	5	1	-	-	-	-	-	10
- Rainbow	2	1	-	2	-	1	-	1	1	-	8
- Cutthroat	3	14	1	-	-	17	10	15	9	3	72
- Dolly Varden	2	6	6	6	3	-	-	-	-	-	23
- Sturgeon	-	-	-	-	-	-	-	-	1	-	1
Released Catch											
- Chinook	-	-	1	7	-	-	-	-	-	-	8
- Chinook jack	-	-	-	-	1	-	-	-	-	-	1
- Steelhead	-	1	-	-	-	-	-	-	-	-	1
- Rainbow	-	1	-	-	-	1	-	-	-	-	2
- Cutthroat	-	2	-	-	-	-	-	2	-	-	4
- Dolly Varden	-	3	-	-	1	-	-	-	-	-	4
- Sturgeon	-	-	-	2	-	-	-	-	-	-	2
- Unknown	-	-	2	-	-	-	-	-	-	-	2
Inspection of Catch											
- Number	8	14	10	31	25	36	31	195	101	2	453
- Number correct	8	14	10	31	25	36	31	195	101	2	453
Gear											
- Bait	182	303	531	867	514	824	1,045	1,136	618	91	6,111
- Lure	0	0	1	0	3	2	0	0	0	0	6
- Bait/Lure	0	6	2	0	59	24	0	0	1	0	92

Appendix 12d. Interview responses by month at Edgewater Bar in the 1988 lower Fraser River sport fishery.

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Number of interviews	157	494	911	1,534	1,227	1,632	1,073	768	154	7,950
Mean Angler Day Length (hr.)										
- All anglers	4.6	5.0	6.1	6.8	6.1	6.4	6.3	6.4	4.0	6.2
- Complete trip interviews										
Number	112	343	512	920	767	1,035	734	352	138	4,913
Hours	4.1	4.6	5.1	5.8	5.2	5.7	5.5	5.1	3.9	5.4
- Incomplete trip interviews										
Number	45	151	399	614	460	597	339	416	16	3,037
Hours	5.8	6.3	7.4	8.4	7.5	7.5	8.0	7.4	4.5	7.6
Mean number of anglers in party	1.7	1.8	1.7	1.8	1.8	1.9	2.0	1.9	1.7	1.8
Target Species										
- Chinook	-	-	-	5	-	-	-	-	-	5
- Coho	-	-	-	-	13	-	70	142	-	225
- Steelhead	-	1	-	-	-	-	-	-	-	1
- Cutthroat	3	1	1	-	1	139	-	-	-	145
- Dolly Varden	-	2	-	-	-	-	-	-	-	2
- Anything	154	490	910	1,529	1,213	1,490	1,002	626	154	7,568
Harvested Catch										
- Chinook	-	2	7	5	-	-	-	-	-	14
- Chinook jack	-	3	31	46	24	8	-	-	-	112
- Coho	-	-	-	-	3	47	136	74	-	260
- Coho jack	-	-	-	7	15	59	77	33	-	191
- Steelhead	-	-	5	4	-	-	-	1	-	10
- Rainbow	1	-	-	-	2	1	-	-	1	5
- Cutthroat	1	-	-	1	6	8	2	-	-	18
- Dolly Varden	-	2	4	3	-	1	-	-	-	10
Released Catch										
- Chinook	-	1	1	-	-	-	-	-	-	2
- Rainbow	-	2	-	-	-	-	-	-	-	2
- Cutthroat	-	1	-	-	-	-	-	-	-	1
- Sturgeon	-	3	-	-	-	-	-	-	-	3
Inspection of Catch										
- Number	0	0	27	55	50	114	65	95	0	406
- Number correct	-	-	27	55	50	114	65	95	-	406
Gear										
- Bait	156	491	908	1,530	1,219	1,627	1,069	767	154	7,921
- Lure	0	3	0	0	0	0	2	0	0	5
- Bait/Lure	1	0	3	4	8	4	1	1	0	22

Appendix 12e. Angler effort, number of interviews and estimated harvest by species and month at Edgewater Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs)	No. of interviews	Harvest											
				Chinook		Coho									
				Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon
1985	Sep	11,333	577	7	7	92	59	0	0	7	87	0	0	0	0
	Oct	17,059	736	0	32	151	163	0	0	5	120	20	0	5	0
	Nov	5,472	346	0	0	81	189	0	0	0	21	0	0	0	0
	Total	33,864	1,659	7	39	324	411	0	0	12	228	20	0	5	0
1986	May	4,482	404	0	4	0	0	0	0	0	20	5	0	2	0
	Jun	5,044	587	0	16	0	0	0	0	0	0	2	0	14	2
	Jul	17,619	1,212	0	494	0	6	0	0	0	0	17	0	14	0
	Aug	15,854	1,116	5	164	0	12	0	0	0	19	0	0	8	0
	Sep	14,048	1,000	0	27	19	25	0	0	5	57	0	2	0	0
	Oct	21,114	1,206	5	19	178	482	0	0	0	26	0	2	2	0
	Nov	5,705	295	0	0	80	172	0	0	0	9	0	0	5	0
	Dec	844	58	0	0	0	0	0	0	0	7	0	0	0	0
	Total	84,710	5,878	10	724	277	697	0	0	5	138	24	4	45	2
1987	Mar	4,534	182	0	0	0	0	0	0	0	18	3	15	14	0
	Apr	3,124	309	0	0	0	0	0	0	0	29	0	2	11	0
	May	6,783	534	31	5	0	0	0	0	0	1	5	0	11	0
	Jun	11,697	867	8	45	0	0	0	0	0	0	11	4	11	0
	Jul	12,078	576	6	59	0	0	0	0	0	0	9	0	14	0
	Aug	15,933	850	5	76	2	24	0	0	0	69	0	4	0	0
	Sep	14,371	1,045	2	25	34	32	2	0	0	28	0	0	0	0
	Oct	23,610	1,136	0	0	267	580	0	0	0	35	0	2	0	0
	Nov	8,496	619	0	7	41	218	0	0	0	26	0	2	0	2
	Dec	988	91	0	0	0	0	0	0	0	6	0	0	0	0
	Total	101,614	6,209	52	217	344	854	2	0	0	212	28	29	61	2
1988	Apr	3,240	157	0	0	0	0	0	0	0	3	0	7	0	0
	May	3,859	494	4	5	0	0	0	0	0	0	0	0	6	0
	Jun	10,105	911	14	66	0	0	0	0	0	0	10	0	12	0
	Jul	17,044	1,534	10	94	0	15	0	0	0	4	5	0	7	0
	Aug	15,869	1,227	0	62	39	2	0	0	0	12	0	5	0	0
	Sep	18,543	1,632	0	21	110	139	0	0	0	14	0	2	4	0
	Oct	25,365	1,073	0	0	563	335	0	0	0	4	0	0	0	0
	Nov	14,193	768	0	0	265	114	0	0	0	0	4	0	0	0
	Dec	1,750	154	0	0	0	0	0	0	0	0	0	3	0	0
	Total	109,968	7,950	28	248	977	605	0	0	0	37	19	17	29	0

Appendix 12f. Estimated release by species and month at Edgewater Bar in the 1985-88 lower Fraser River sport fishery.

		Release												
		Chinook		Coho										
Year	Month	Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon	Un-known
1985	Sep	0	0	7	20	3	0	77	11	0	0	0	0	41
	Oct	3	0	0	0	11	0	15	10	0	0	0	0	25
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	3
	Total	3	0	7	20	14	0	92	21	0	0	0	0	69
1986	May	0	0	0	0	0	0	0	1	4	0	0	0	0
	Jun	0	0	0	0	0	0	0	1	0	0	0	0	0
	Jul	0	2	0	0	0	0	0	0	0	0	0	0	0
	Aug	3	0	0	0	0	0	0	2	3	0	0	0	59
	Sep	0	0	0	0	0	0	20	0	0	0	0	2	21
	Oct	0	0	5	5	0	0	0	6	0	0	0	0	44
	Nov	0	0	3	0	0	0	0	0	0	0	0	0	0
	Dec	0	0	0	3	0	0	0	5	0	0	0	0	5
	Total	3	2	8	8	0	0	20	15	7	0	0	2	129
1987	Mar	0	0	0	0	0	0	0	0	0	0	0	0	0
	Apr	0	0	0	0	0	0	0	3	2	3	7	0	0
	May	4	0	0	0	0	0	0	0	0	0	0	0	2
	Jun	15	0	0	0	0	0	0	0	0	0	0	6	0
	Jul	0	2	0	0	0	0	0	0	0	0	2	0	0
	Aug	0	0	0	0	0	0	0	0	0	4	0	0	0
	Sep	0	0	0	0	0	0	0	0	0	0	0	0	0
	Oct	0	0	0	0	0	0	0	7	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	19	2	0	0	0	0	0	10	2	7	9	6	2
1988	Apr	0	0	0	0	0	0	0	0	0	0	0	0	0
	May	2	0	0	0	0	0	0	2	0	3	0	4	0
	Jun	2	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	0	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sep	0	0	0	0	0	0	0	0	0	0	0	0	0
	Oct	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	4	0	0	0	0	0	0	2	0	3	0	4	0

Appendix 12g. Estimated harvest, by month, species and mark type, at Edgewater Bar in the 1985-88 lower Fraser River sport fishery. a

Year	Month	Chinook jack	Coho adult			Coho jack			Steel-head	Cutthroat			
		AFC	AFC	LPC	RPC	AFC	LPC	RPC	AFC	AFC	LMC	RMC	AFC/ LMC
1985	Sep	0	0	0	0	3	0	0	0	3	0	0	0
	Oct	0	8	0	0	24	46	183	0	0	9	2	0
	Nov	0	0	0	0	3	4	111	0	0	0	0	0
	Total	0	8	0	0	30	50	294	0	3	9	2	0
1986	May	0	0	0	0	0	0	0	4	8	0	0	0
	Jun	2	0	0	0	0	0	0	2	0	0	0	0
	Jul	15	0	0	0	0	0	0	5	0	0	0	0
	Aug	10	0	0	0	0	0	0	0	0	0	0	0
	Sep	0	2	4	0	0	0	0	0	0	0	0	0
	Oct	0	5	25	24	32	0	0	0	2	0	0	0
	Nov	0	0	0	30	20	0	0	0	2	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0
	Total	27	7	29	54	52	0	0	11	12	0	0	0
1987	Mar	0	0	0	0	0	0	0	0	0	0	0	0
	Apr	0	0	0	0	0	0	0	0	0	2	5	0
	May	0	0	0	0	0	0	0	0	0	0	0	0
	Jun	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	0	0	0	0	4	0	0	0	0	0	0	20
	Sep	0	0	0	0	2	0	0	0	11	0	0	0
	Oct	0	0	0	0	10	0	0	0	1	0	0	0
	Nov	0	3	0	0	2	0	0	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	3	0	0	18	0	0	0	12	2	5	20
1988	Apr	0	0	0	0	0	0	0	0	0	0	0	0
	May	0	0	0	0	0	0	0	0	0	0	0	0
	Jun	2	0	0	0	0	0	0	2	0	0	0	0
	Jul	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	0	0	0	0	0	0	0	0	0	0	0	0
	Sep	0	0	0	0	0	0	0	0	0	0	0	0
	Oct	0	5	0	0	0	0	0	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0
	Total	2	5	0	0	0	0	0	2	0	0	0	0

a. Abbreviations are: AFC - adipose fin clip; LPC, RPC - left or right pelvic fin clip
LMC, RMC - left or right maxillary clip.

Appendix 12h. Mean proportion of daily angler effort per hour, by month and day type, at Edgewater Bar in the 1985-88 lower Fraser River sport fishery.

Day type	Hour	1985			1986								1987			
		Sep	Oct	Nov	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mar	Apr	May	Jun
Weekday	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.1%	0.0%	0.0%	0.3%	0.0%	0.1%	0.2%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	6:00	0.7%	0.3%	0.0%	1.0%	0.6%	1.7%	1.6%	0.8%	0.6%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
	7:00	2.9%	1.7%	1.4%	2.4%	3.1%	3.8%	3.5%	3.0%	2.8%	3.0%	0.4%	0.3%	0.6%	0.0%	2.0%
	8:00	4.9%	5.9%	6.6%	3.8%	4.3%	4.6%	4.1%	3.7%	5.8%	7.7%	1.9%	3.8%	5.6%	5.0%	4.4%
	9:00	6.7%	8.3%	11.2%	5.4%	6.4%	5.6%	5.0%	5.6%	7.5%	8.4%	5.7%	6.5%	7.5%	8.0%	6.3%
	10:00	9.7%	11.1%	10.7%	7.5%	7.8%	6.9%	6.2%	7.4%	9.9%	10.3%	4.7%	9.2%	9.7%	10.2%	7.3%
	11:00	11.8%	11.6%	12.6%	9.4%	9.3%	7.0%	7.2%	9.1%	11.5%	12.0%	15.1%	15.2%	12.1%	11.1%	7.5%
	12:00	11.0%	12.9%	13.7%	10.0%	9.8%	7.5%	7.7%	8.9%	12.1%	12.6%	19.8%	17.2%	13.1%	10.1%	7.5%
	13:00	11.1%	12.4%	14.4%	10.3%	9.4%	7.2%	8.2%	9.6%	12.0%	12.2%	18.8%	16.0%	13.3%	10.1%	8.2%
	14:00	10.8%	11.3%	13.5%	10.1%	9.0%	7.2%	8.1%	9.1%	10.4%	11.2%	15.1%	15.0%	12.5%	9.5%	8.2%
	15:00	9.5%	10.2%	12.4%	8.0%	8.5%	7.3%	7.9%	8.0%	9.0%	9.7%	12.2%	9.0%	9.6%	8.3%	7.2%
	16:00	5.3%	5.1%	3.1%	7.1%	7.2%	6.4%	7.4%	6.7%	7.1%	7.2%	5.7%	5.1%	7.4%	8.0%	8.9%
	17:00	5.4%	4.9%	0.3%	6.0%	5.7%	5.8%	7.3%	6.0%	5.6%	3.2%	0.7%	2.1%	4.6%	6.4%	8.1%
	18:00	4.7%	3.4%	0.1%	5.1%	5.4%	6.2%	6.9%	5.8%	4.2%	1.3%	0.0%	0.5%	1.2%	4.9%	7.5%
	19:00	3.2%	0.8%	0.0%	5.2%	5.1%	6.5%	6.7%	6.7%	1.0%	0.5%	0.0%	0.0%	0.9%	3.9%	6.3%
	20:00	1.6%	0.1%	0.0%	4.0%	4.4%	6.3%	5.9%	5.3%	0.3%	0.1%	0.0%	0.0%	0.9%	2.2%	4.8%
	21:00	0.5%	0.0%	0.0%	2.4%	2.2%	5.6%	3.4%	2.7%	0.0%	0.1%	0.0%	0.0%	0.7%	1.4%	2.9%
	22:00	0.1%	0.0%	0.0%	1.4%	1.1%	3.1%	1.7%	1.1%	0.0%	0.0%	0.0%	0.0%	0.2%	0.6%	2.0%
	23:00	0.0%	0.0%	0.0%	0.7%	0.5%	1.2%	0.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.7%
	24:00	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
Weekend	2:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.2%	0.0%	0.0%	0.1%	0.0%	0.2%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	6:00	1.3%	0.5%	0.9%	0.9%	0.8%	1.7%	1.2%	1.0%	0.9%	0.2%	0.0%	0.0%	0.1%	0.2%	0.1%
	7:00	3.5%	1.6%	4.6%	2.3%	3.3%	3.9%	3.0%	3.2%	3.9%	1.7%	1.4%	0.3%	0.6%	1.0%	2.1%
	8:00	5.0%	4.5%	9.3%	3.8%	4.7%	5.4%	4.2%	5.0%	7.2%	3.7%	4.5%	2.7%	3.5%	5.5%	4.5%
	9:00	7.5%	7.6%	9.9%	5.6%	5.4%	6.5%	5.2%	6.0%	8.6%	9.7%	8.1%	5.7%	6.5%	7.6%	6.2%
	10:00	9.7%	8.6%	12.0%	7.2%	7.0%	7.4%	6.3%	8.0%	10.1%	11.8%	10.0%	8.4%	9.0%	9.6%	7.9%
	11:00	9.1%	10.3%	12.6%	8.5%	7.9%	8.4%	7.3%	9.2%	9.9%	13.4%	16.3%	11.9%	9.8%	11.3%	8.9%
	12:00	8.2%	9.9%	13.7%	9.3%	8.7%	8.7%	7.3%	11.1%	10.4%	12.1%	18.1%	15.5%	10.8%	11.2%	8.9%
	13:00	9.2%	9.1%	12.3%	10.2%	9.7%	8.2%	7.7%	10.7%	10.4%	11.4%	20.8%	19.3%	11.4%	11.3%	8.9%
	14:00	10.1%	9.6%	11.6%	9.7%	8.9%	7.9%	7.6%	9.8%	9.3%	10.8%	13.6%	15.1%	10.5%	11.1%	9.4%
	15:00	9.7%	9.4%	9.6%	9.0%	8.5%	7.4%	7.4%	9.1%	8.5%	9.6%	5.4%	13.9%	9.4%	9.5%	8.8%
	16:00	9.0%	11.0%	3.0%	9.7%	7.6%	6.8%	7.3%	8.0%	7.2%	8.5%	1.8%	3.6%	9.7%	8.1%	9.0%
	17:00	5.6%	8.1%	0.4%	6.0%	6.4%	6.4%	7.3%	5.9%	6.4%	5.2%	0.0%	3.6%	7.3%	6.0%	7.3%
	18:00	5.3%	7.4%	0.1%	5.1%	6.1%	6.0%	7.2%	4.3%	5.0%	1.7%	0.0%	0.0%	5.1%	4.2%	6.3%
	19:00	3.1%	1.9%	0.0%	4.5%	6.1%	5.3%	6.9%	2.9%	1.6%	0.2%	0.0%	0.0%	3.4%	2.1%	5.0%
	20:00	2.6%	0.4%	0.0%	4.2%	3.9%	4.4%	5.8%	3.7%	0.2%	0.1%	0.0%	0.0%	2.2%	0.9%	3.4%
	21:00	0.6%	0.0%	0.0%	2.5%	3.2%	3.6%	4.2%	1.5%	0.0%	0.0%	0.0%	0.0%	0.8%	0.4%	1.8%
	22:00	0.0%	0.0%	0.0%	0.9%	1.2%	1.4%	2.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	1.1%
	23:00	0.0%	0.0%	0.0%	0.3%	0.5%	0.4%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%

Continued

Appendix 12h. Mean proportion of daily angler effort per hour, by month and day type, at Edgewater Bar in the 1985-88 lower Fraser River sport fishery, continued.

Day type	Hour	1987 Jul	Aug	Sep	Oct	Nov	Dec	1988 Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Weekday	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%	0.0%	0.0%
	6:00	0.0%	0.3%	0.2%	0.4%	0.7%	0.0%	0.0%	0.1%	0.9%	0.9%	0.5%	0.8%	0.4%	0.5%	0.0%
	7:00	1.6%	1.3%	1.0%	1.5%	2.6%	0.2%	0.0%	0.4%	2.6%	2.5%	1.9%	3.2%	1.7%	1.7%	0.0%
	8:00	3.7%	4.2%	3.6%	6.8%	5.2%	1.1%	2.2%	2.0%	5.1%	4.9%	3.9%	4.8%	4.8%	4.2%	1.6%
	9:00	6.0%	7.0%	5.7%	7.9%	8.7%	5.1%	3.5%	4.7%	6.9%	6.1%	6.3%	6.5%	7.6%	7.4%	5.2%
	10:00	7.2%	8.3%	7.8%	10.8%	11.2%	13.7%	3.5%	7.1%	8.9%	6.8%	7.6%	8.1%	9.5%	9.7%	12.2%
	11:00	8.3%	9.2%	8.8%	10.8%	12.5%	13.7%	8.8%	8.6%	9.1%	7.7%	8.4%	10.2%	10.0%	11.2%	14.8%
	12:00	8.6%	9.9%	10.6%	11.1%	12.6%	17.1%	10.8%	9.3%	8.2%	8.3%	9.2%	10.1%	10.5%	11.9%	17.8%
	13:00	9.1%	9.7%	11.1%	11.2%	12.6%	18.2%	11.2%	11.3%	9.0%	7.7%	8.7%	10.4%	10.5%	12.5%	17.4%
	14:00	9.1%	9.2%	10.2%	10.6%	11.9%	15.4%	11.0%	11.8%	8.9%	8.4%	8.4%	9.9%	9.6%	13.2%	12.6%
	15:00	8.7%	8.5%	9.6%	9.1%	10.7%	10.8%	9.5%	10.5%	7.8%	7.9%	8.4%	9.1%	8.8%	11.7%	10.9%
	16:00	7.6%	8.5%	9.1%	7.1%	8.0%	4.0%	12.3%	10.0%	7.1%	7.1%	7.3%	7.1%	9.3%	8.7%	7.0%
	17:00	7.3%	7.7%	8.0%	5.8%	2.6%	0.8%	11.0%	9.1%	6.5%	6.4%	6.4%	5.9%	8.8%	5.2%	0.4%
	18:00	6.8%	6.7%	6.5%	3.1%	0.6%	0.0%	9.7%	5.3%	6.4%	7.3%	6.6%	6.4%	7.4%	1.7%	0.1%
	19:00	6.3%	4.4%	4.9%	2.0%	0.0%	0.0%	4.8%	5.0%	6.1%	6.8%	6.8%	5.4%	1.0%	0.1%	0.0%
	20:00	5.3%	3.2%	2.0%	0.9%	0.0%	0.0%	1.4%	3.3%	4.7%	6.5%	6.3%	1.8%	0.1%	0.0%	0.0%
	21:00	2.4%	1.4%	0.7%	0.3%	0.0%	0.0%	0.2%	1.4%	1.7%	3.6%	2.8%	0.3%	0.0%	0.0%	0.0%
	22:00	1.4%	0.4%	0.1%	0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	1.0%	0.5%	0.0%	0.0%	0.0%	0.0%
	23:00	0.5%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
	24:00	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Weekend	2:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.0%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%
	6:00	0.0%	0.6%	0.7%	0.4%	0.8%	0.0%	0.5%	0.4%	0.6%	0.7%	0.9%	0.6%	0.6%	0.9%	0.0%
	7:00	1.7%	1.9%	2.4%	1.6%	3.4%	0.3%	1.6%	1.6%	2.2%	1.8%	2.5%	2.3%	2.6%	3.4%	0.1%
	8:00	3.6%	3.9%	5.0%	8.1%	6.6%	1.4%	4.0%	3.4%	3.9%	3.4%	4.4%	4.3%	7.9%	5.7%	1.6%
	9:00	5.7%	6.3%	7.5%	9.2%	7.7%	5.3%	4.8%	5.0%	6.2%	5.2%	6.0%	6.7%	9.5%	8.6%	4.7%
	10:00	7.1%	8.3%	9.9%	10.0%	9.6%	12.0%	6.4%	8.3%	7.5%	6.6%	7.3%	8.1%	10.8%	10.6%	10.1%
	11:00	8.8%	9.8%	11.4%	10.1%	12.0%	15.9%	7.2%	10.0%	8.5%	8.1%	7.8%	9.2%	10.4%	11.7%	11.6%
	12:00	9.7%	9.7%	9.1%	10.2%	12.7%	17.8%	9.1%	10.0%	9.1%	8.8%	8.1%	9.8%	10.5%	12.4%	11.6%
	13:00	8.9%	9.7%	8.6%	10.3%	13.0%	15.9%	9.9%	10.2%	8.6%	9.6%	8.5%	10.4%	10.1%	11.7%	15.1%
	14:00	9.3%	9.8%	9.3%	10.0%	12.5%	14.9%	12.6%	10.2%	9.1%	9.4%	8.7%	9.8%	9.7%	10.9%	17.3%
	15:00	8.7%	9.0%	8.5%	8.7%	10.5%	11.0%	10.2%	10.0%	9.2%	9.1%	8.7%	8.5%	8.5%	8.8%	15.1%
	16:00	7.8%	7.7%	7.0%	8.1%	8.0%	4.3%	10.9%	9.5%	8.5%	8.6%	8.1%	8.8%	8.8%	8.9%	11.0%
	17:00	7.4%	6.8%	6.4%	5.9%	2.4%	1.2%	8.8%	7.8%	7.8%	7.5%	8.0%	7.6%	6.0%	4.9%	1.3%
	18:00	6.7%	5.9%	5.4%	4.0%	0.8%	0.0%	6.0%	6.4%	6.8%	6.9%	6.4%	6.4%	4.7%	2.6%	0.3%
	19:00	6.0%	4.7%	4.6%	2.2%	0.1%	0.0%	5.2%	3.9%	5.4%	5.9%	6.1%	4.7%	2.7%	0.9%	0.1%
	20:00	4.6%	3.3%	2.9%	0.8%	0.0%	0.0%	2.5%	2.1%	4.0%	4.1%	5.1%	2.0%	0.8%	0.1%	0.0%
	21:00	2.2%	1.6%	1.0%	0.1%	0.0%	0.0%	0.2%	0.9%	1.8%	2.7%	2.6%	0.4%	0.0%	0.0%	0.0%
	22:00	1.3%	0.7%	0.1%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.8%	0.8%	0.0%	0.0%	0.0%	0.0%
	23:00	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%

Appendix 13a. Interview responses by month at Poplar Bar in the 1986-87 lower Fraser River sport fishery.

	1986		1987			
	May	Total	Jun	Jul	Dec	Total
Number of Interviews	48	48	64	44	3	111
Mean Angler Day Length (hr.)						
- All anglers	6.0	6.0	3.9	4.8	5.3	4.3
- Complete trip interviews						
Number	26	26	47	29	3	79
Hours	4.4	4.4	3.7	3.9	5.3	3.8
- Incomplete trip interviews						
Number	22	22	17	15	0	32
Hours	8.0	8.0	4.8	6.5	-	5.5
Mean number of anglers per party	1.7	1.7	1.8	2.2	1.8	1.8
Target Species						
- Steelhead	3	3	-	-	-	0
- Cutthroat	2	2	-	-	-	0
- Sturgeon	1	1	-	-	-	0
- Anything	42	42	64	44	3	111
Harvested Catch						
- Chinook jack	1	1	-	-	-	0
- Cutthroat	1	1	-	-	-	0
Released Catch						
- Chinook jack	-	0	1	1	-	2
- Unknown	-	0	3	-	-	3
Inspection of Catch						
- Number	1	1	0	0	0	0
- Number correct	1	1	-	-	-	0
Gear						
- Bait	47	47	64	44	3	111
- Bait/Lure	1	1	0	0	0	0
In B.C. for Expo-86	0	0	-	-	-	-

Appendix 13b. Angler effort, number of interviews and estimated harvest by species and month at Poplar Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b											
				Chinook		Coho									
				Adult	Jack	Adult	Jack	Pink	Sockeye	Chum	Cutthroat	Steelhead	Rainbow	Dolly Varden	Sturgeon
1985	Sep	3,822	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	4,143	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	1,998	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	9,963	0	-	-	-	-	-	-	-	-	-	-	-	-
1986	May	1,110	48	0	4	0	0	0	0	0	4	0	0	0	0
	Jun	2,129	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	2,902	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	2,601	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	2,299	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	3,982	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	801	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	156	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	15,981	48	0	4	0	0	0	0	0	4	0	0	0	0
1987	Mar	495	0	-	-	-	-	-	-	-	-	-	-	-	-
	Apr	745	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	1,163	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	570	64	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	1,047	44	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	1,193	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	1,781	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	2,206	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	1,077	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	160	3	0	0	0	0	0	0	0	0	0	0	0	0
	Total	10,436	111	0	0	0	0	0	0	0	0	0	0	0	0
1988	Apr	154	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	185	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	630	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	1,752	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	627	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	609	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	2,100	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	553	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	151	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	6,762	0	-	-	-	-	-	-	-	-	-	-	-	-

a. Angler effort during the unsurveyed months was estimated from the Poplar Bar mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 13c. Estimated release by species and month at Poplar Bar in the 1985-88 lower Fraser River sport fishery.

		Release a												
		Chinook		Coho										
Year	Month	Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon	Un-known
1986	May	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Jun	0	2	0	0	0	0	0	0	0	0	0	0	9
	Jul	0	2	0	0	0	0	0	0	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0

a. Release was estimated only during months when a surveyor was stationed at the bar.

Appendix 13d. Mean proportion of daily angler effort per hour, by month and day type, at Poplar Bar in the 1986-87 lower Fraser River sport fishery.

	1986		1987					
	May		June		July		December	
Hour	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend
2:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
4:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
5:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
6:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
7:00	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8:00	2.0%	2.1%	0.0%	2.2%	0.0%	6.5%	0.0%	0.0%
9:00	2.0%	2.1%	0.0%	5.6%	6.9%	8.2%	0.0%	0.0%
10:00	3.9%	4.3%	13.0%	11.2%	6.9%	8.8%	0.0%	12.5%
11:00	9.8%	6.4%	16.2%	14:6%	6.9%	11.1%	0.0%	18.8%
12:00	13.3%	6.4%	16.2%	12.3%	6.9%	11.7%	0.0%	18.8%
13:00	11.7%	8.5%	8.7%	13.0%	13.7%	11.4%	0.0%	18.8%
14:00	12.5%	9.2%	9.4%	12.6%	22.3%	10.1%	0.0%	18.8%
15:00	9.4%	12.8%	7.9%	9.0%	20.6%	8.4%	0.0%	12.5%
16:00	10.4%	8.5%	6.5%	8.2%	11.4%	5.3%	0.0%	0.0%
17:00	11.7%	7.5%	7.8%	6.7%	0.0%	7.0%	0.0%	0.0%
18:00	10.4%	7.5%	3.9%	1.5%	2.3%	3.5%	0.0%	0.0%
19:00	1.3%	10.7%	2.6%	1.5%	2.3%	3.5%	0.0%	0.0%
20:00	1.3%	7.5%	5.2%	1.5%	0.0%	1.8%	0.0%	0.0%
21:00	0.3%	3.1%	2.6%	0.0%	0.0%	1.8%	0.0%	0.0%
22:00	0.0%	0.5%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%
23:00	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
24:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Appendix 14a. Interview responses by month at Ridgedale Bar in the 1986-87 lower Fraser River sport fishery.

	1986			1987				
	Nov	Dec	Total	Jul	Aug	Nov	Dec	Total
Number of Interviews	77	6	83	9	235	226	1	471
Mean Angler Day Length (hr.)								
- All anglers	4.5	2.7	4.4	6.2	5.3	4.9	2.0	5.1
- Complete trip interviews								
Number	56	3	59	7	162	163	1	333
Hours	4.4	2.3	4.3	5.4	4.8	4.6	2.0	4.7
- Incomplete trip interviews								
Number	21	3	24	2	73	63	0	138
Hours	5.0	3.0	4.8	9.0	8.4	5.6	-	6.1
Mean number of anglers per party	1.3	1.0	1.3	1.6	2.2	1.9	1.0	2.0
Target Species								
- Coho	-	-	0	-	-	62	-	62
- Steelhead	-	-	0	-	3	159	-	162
- Cutthroat	-	-	0	-	7	1	-	8
- Sturgeon	-	-	0	4	57	4	-	65
- Anything	77	6	83	5	168	-	1	174
Harvested Catch								
- Coho	7	-	7	-	-	2	-	2
- Coho jack	15	-	15	-	1	52	-	53
- Sockeye	-	-	0	-	5	-	-	5
- Steelhead	-	-	0	-	4	-	-	4
- Rainbow	-	-	0	-	8	1	-	9
- Cutthroat	6	-	6	-	2	16	-	18
- Sturgeon	-	-	0	-	6	-	-	6
Released Catch								
- Coho	-	-	0	-	-	1	-	1
- Coho jack	-	-	0	-	-	3	-	3
- Cutthroat	-	-	0	-	-	10	-	10
- Sturgeon	-	-	0	1	10	5	-	16
- Unknown	-	-	0	-	1	-	-	1
Inspection of Catch								
- Number	9	0	9	0	11	46	0	57
- Number correct	9	-	9	-	9	46	-	55
Gear								
- Bait	77	6	83	9	233	224	1	467
- Lure	0	0	0	0	2	0	0	2
- Bait/Lure	0	0	0	0	0	2	0	2
In B.C. for Expo-86	0	0	0	-	-	-	-	-

Appendix 14b. Interview responses by month at Ridgedale Bar in the 1988 lower Fraser River sport fishery.

	Aug	Sep	Oct	Nov	Total
Number of interviews	104	46	269	122	541
Mean Angler Day Length (hr.)					
- All anglers	5.5	4.6	4.9	4.9	5.0
- Complete trip interviews					
Number	70	35	202	76	383
Hours	4.4	3.8	4.4	4.8	4.4
- Incomplete trip interviews					
Number	34	11	67	46	158
Hours	7.9	7.3	6.6	5.1	6.5
Mean number of anglers in party	1.7	1.4	1.9	1.7	1.8
Target Species					
- Chinook	27	-	-	-	27
- Coho	-	-	6	7	13
- Steelhead	13	-	-	-	13
- Anything	63	46	263	115	487
Harvested Catch					
- Chinook jack	2	-	-	-	2
- Coho	-	-	8	7	15
- Coho jack	-	1	9	5	15
- Rainbow	-	2	-	-	2
- Cutthroat	-	4	3	-	7
Released Catch	-	-	-	-	0
Inspection of Catch					
- Number	2	5	17	13	37
- Number correct	1	5	17	13	36
Gear					
- Bait	101	45	269	120	535
- Lure	0	0	0	2	2
- Bait/Lure	3	1	0	0	4

Appendix 14c. Angler effort, number of interviews and estimated harvest by species and month at Ridgedale Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b											
				Chinook		Coho									
				Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon
1985	Sep	3,312	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	2,735	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	1,371	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	7,419	0	-	-	-	-	-	-	-	-	-	-	-	-
1986	May	487	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	100	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	1,370	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	6,337	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	4,636	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	6,112	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	2,358	77	0	0	20	108	0	0	0	25	0	0	0	0
	Dec	106	6	0	0	0	0	0	0	0	0	0	0	0	0
	Total	21,506	83	0	0	20	108	0	0	0	25	0	0	0	0
1987	Mar	878	0	-	-	-	-	-	-	-	-	-	-	-	-
	Apr	491	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	869	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	550	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	1,184	9	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	6,104	235	0	0	0	6	0	11	0	9	15	46	0	26
	Sep	4,331	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	6,590	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	4,011	226	0	0	7	238	0	0	0	62	0	2	0	0
	Dec	42	1	0	0	0	0	0	0	0	0	0	0	0	0
	Total	25,050	471	0	0	7	244	0	11	0	71	15	48	0	26
1988	Apr	588	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	731	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	306	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	993	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	2,517	104	0	10	0	0	0	0	0	0	0	0	0	0
	Sep	1,569	46	0	0	0	9	0	0	0	32	0	21	0	0
	Oct	4,971	269	0	0	37	38	0	0	0	15	0	0	0	0
	Nov	1,419	122	0	0	20	9	0	0	0	0	0	0	0	0
	Dec	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	13,095	541	0	10	57	56	0	0	0	47	0	21	0	0

a. Angler effort during the unsurveyed months was estimated from the Ridgedale Bar mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 14d. Estimated release by species and month at Ridgedale Bar in the 1986-88 lower Fraser River sport fishery.

		Release a												
		Chinook		Coho										
Year	Month	Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon	Un-known
1986	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Jul	0	0	0	0	0	0	0	0	0	0	0	31	0
	Aug	0	0	0	0	0	0	0	0	0	0	0	27	4
	Nov	0	0	7	10	0	0	0	40	0	0	0	25	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Aug	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sep	0	0	0	0	0	0	0	0	0	0	0	0	0
	Oct	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0

a. Release was estimated only during months when a surveyor was stationed at the bar.

Appendix 14e. Estimated harvest, by month, species and mark type, at Ridgedale Bar in the 1986-88 lower Fraser River sport fishery. a

Year	Month	Coho adult AFC	Coho jack AFC	Cut-throat AFC	Steel-head AFC
1986	Nov	8	10	5	0
	Dec	0	0	0	0
1987	Jul	0	0	0	0
	Aug	0	0	0	13
	Nov	0	3	0	0
	Dec	0	0	0	0
1988	Aug	0	0	0	0
	Sep	0	0	0	0
	Oct	3	0	0	0
	Nov	2	0	0	0

a. Abbreviations are: AFC - adipose fin clip;

Appendix 14f. Mean proportion of daily angler effort per hour, by month and day type, at Ridgedale Bar in the 1986-88 lower Fraser River sport fishery.

Day type	Hour	1986	1987			1988			
		Nov	Jul	Aug	Nov	Aug	Sep	Oct	Nov
Weekday	3:00	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.0%	0.0%	1.7%	0.3%	0.0%	0.4%	0.0%	0.0%
	6:00	0.2%	0.0%	3.0%	1.4%	0.0%	2.2%	0.6%	0.0%
	7:00	1.4%	0.0%	4.5%	4.5%	0.8%	3.6%	2.5%	0.0%
	8:00	3.2%	2.0%	5.2%	8.7%	2.5%	3.6%	6.6%	2.8%
	9:00	8.3%	5.0%	6.7%	7.8%	4.2%	4.5%	12.3%	7.6%
	10:00	8.7%	8.1%	8.2%	8.7%	5.1%	10.8%	13.1%	10.4%
	11:00	11.9%	10.1%	10.4%	10.6%	7.6%	11.7%	14.0%	12.5%
	12:00	11.1%	10.1%	7.5%	11.5%	10.1%	9.6%	11.6%	9.7%
	13:00	12.7%	11.1%	5.0%	11.5%	15.2%	9.0%	9.1%	9.0%
	14:00	11.9%	11.1%	5.0%	10.3%	13.7%	9.6%	8.1%	9.0%
	15:00	11.5%	9.2%	5.6%	10.1%	10.6%	12.0%	7.9%	8.3%
	16:00	9.9%	3.7%	5.7%	7.2%	11.4%	3.6%	8.0%	13.9%
	17:00	7.9%	3.7%	5.0%	7.3%	6.3%	3.6%	4.3%	11.7%
	18:00	1.4%	1.8%	7.0%	0.2%	3.8%	3.6%	1.8%	4.9%
	19:00	0.0%	1.8%	6.2%	0.0%	2.5%	3.6%	0.0%	0.0%
	20:00	0.0%	5.5%	6.2%	0.0%	2.5%	3.6%	0.0%	0.0%
	21:00	0.0%	5.5%	2.2%	0.0%	2.5%	1.4%	0.0%	0.0%
	22:00	0.0%	4.4%	1.1%	0.0%	1.1%	1.4%	0.0%	0.0%
	23:00	0.0%	4.4%	0.8%	0.0%	0.0%	1.4%	0.0%	0.0%
	24:00	0.0%	2.2%	0.3%	0.0%	0.0%	0.7%	0.0%	0.0%
Weekend	2:00	0.0%	-	0.3%	0.0%	0.0%	-	0.0%	0.0%
	3:00	0.0%	-	0.3%	0.0%	0.0%	-	0.0%	0.0%
	4:00	0.0%	-	0.3%	0.0%	0.0%	-	0.0%	0.0%
	5:00	0.0%	-	0.8%	0.1%	0.0%	-	0.0%	0.0%
	6:00	1.2%	-	1.3%	0.2%	0.0%	-	0.7%	0.4%
	7:00	5.0%	-	1.8%	0.7%	0.0%	-	3.0%	2.3%
	8:00	10.1%	-	2.7%	1.8%	1.3%	-	7.1%	4.9%
	9:00	10.7%	-	3.4%	5.3%	3.1%	-	10.3%	6.1%
	10:00	10.7%	-	2.9%	7.4%	5.3%	-	14.7%	9.1%
	11:00	11.0%	-	3.8%	10.7%	6.6%	-	12.1%	9.1%
	12:00	11.6%	-	4.0%	13.1%	6.6%	-	11.4%	11.0%
	13:00	9.2%	-	6.9%	14.2%	8.8%	-	10.6%	12.2%
	14:00	9.2%	-	7.5%	14.2%	9.9%	-	9.1%	11.4%
	15:00	8.6%	-	7.6%	14.0%	9.4%	-	8.8%	13.3%
	16:00	9.5%	-	12.9%	9.1%	12.7%	-	5.8%	9.9%
	17:00	2.4%	-	11.9%	8.5%	7.9%	-	3.4%	6.0%
	18:00	0.6%	-	10.0%	0.8%	3.9%	-	2.4%	3.1%
	19:00	0.0%	-	5.7%	0.0%	3.1%	-	0.6%	1.2%
	20:00	0.0%	-	5.5%	0.0%	3.5%	-	0.1%	0.0%
	21:00	0.0%	-	4.1%	0.0%	6.6%	-	0.0%	0.0%
	22:00	0.0%	-	3.0%	0.0%	6.0%	-	0.0%	0.0%
	23:00	0.0%	-	2.5%	0.0%	4.2%	-	0.0%	0.0%
	24:00	0.0%	-	1.0%	0.0%	1.4%	-	0.0%	0.0%

Appendix 15a. Interview responses by month at Standard Gas Bar in the 1985 Fraser River sport fishery.

	Sep	Oct	Nov	Total
Number of Interviews	130	294	128	552
Mean Angler Day Length (hr.)				
- All anglers	5.4	5.3	4.1	5.0
- Complete trip interviews				
Number	87	196	99	382
Hours	4.4	4.4	3.8	4.2
- Incomplete trip interviews				
Number	43	98	29	170
Hours	7.5	7.2	5.2	6.9
Mean number of anglers per party	1.8	1.9	1.6	1.8
Target Species				
- Chinook jack	1	-	-	1
- Coho	5	1	2	8
- Anything	124	293	126	543
Harvested Catch				
- Chinook jack	2	-	-	2
- Coho	-	7	8	15
- Coho jack	-	36	19	55
- Pink	-	2	-	2
- Steelhead	1	-	-	1
- Cutthroat	2	7	-	9
Released Catch				
- Chinook	2	-	-	2
- Pink	-	1	-	1
- Steelhead	1	-	-	1
- Cutthroat	3	1	-	4
- Sturgeon	4	-	1	5
Inspection of Catch				
- Number	5	50	27	82
- Number correct	5	50	27	82
Gear				
- Bait	119	288	117	524
- Lure	10	2	5	17
- Bait/Lure	1	4	6	11

Appendix 15b. Interview responses by month at Standard Gas Bar in the 1986 lower Fraser River sport fishery.

	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Number of Interviews	79	138	345	405	305	357	116	8	1,753
Mean Angler Day Length (hr.)									
- All anglers	3.9	5.0	6.5	7.1	4.3	5.0	4.2	3.9	5.6
- Complete trip interviews									
Number	43	102	194	185	178	206	96	2	1,006
Hours	2.6	3.5	3.5	4.3	4.0	4.6	3.9	2.5	4.0
- Incomplete trip interviews									
Number	36	36	151	220	127	151	20	6	747
Hours	5.4	9.1	10.3	9.4	4.7	5.4	5.5	4.3	7.6
Mean number of anglers per party	1.5	1.0	1.0	1.0	1.6	1.7	1.6	1.0	1.3
Target Species									
- Chinook jack	1	-	-	-	-	-	-	-	1
- Steelhead	3	-	-	-	-	-	-	-	3
- Rainbow	1	-	-	-	-	-	-	-	1
- Cutthroat	13	-	-	-	-	-	-	-	13
- Sturgeon	1	55	73	34	1	-	-	-	164
- Anything	60	83	272	371	304	357	116	8	1,571
Harvested Catch									
- Chinook	-	1	-	-	-	-	-	-	1
- Chinook jack	-	-	1	15	2	1	-	-	19
- Coho	-	-	-	-	1	9	4	-	14
- Coho jack	-	-	-	1	3	46	12	-	62
- Chum	-	-	-	-	-	-	-	1	1
- Steelhead	1	-	1	-	-	-	-	-	2
- Rainbow	-	-	-	-	3	1	-	4	8
- Cutthroat	2	-	-	6	40	31	3	1	83
- Dolly Varden	-	-	-	-	-	1	-	1	2
- Sturgeon	-	1	2	3	1	-	-	-	7
- Unknown	-	2	-	-	1	-	-	-	3
Released Catch									
- Chinook	-	1	-	-	-	-	-	-	1
- Chinook jack	-	-	-	-	1	-	-	-	1
- Pink	-	-	-	-	1	-	-	-	1
- Cutthroat	3	-	-	-	9	3	-	-	15
- Sturgeon	-	5	4	3	3	-	-	-	15
- Unknown	-	1	-	-	1	-	-	-	2
Inspection of Catch									
- Number	3	2	2	3	14	41	11	5	81
- Number correct	3	2	2	3	14	41	11	5	81

Continued

Appendix 15b. Interview responses by month at Standard Gas Bar in the 1986 lower Fraser River sport fishery, continued.

	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Gear									
- Bait	77	138	345	390	301	355	116	8	1,730
- Lure	0	0	0	2	0	1	0	0	3
- Bait/Lure	2	0	0	13	4	1	0	0	20
In B.C. for Expo-86	0	1	2	1	1	0	0	0	5

Appendix 15c. Interview responses by month at Standard Gas Bar in the 1987 lower Fraser River sport fishery.

	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Number of Interviews	112	188	120	63	76	338	229	265	242	9	1,642
Mean Angler Day Length (hr.)											
- All anglers	3.7	3.8	5.0	4.3	6.4	5.0	5.6	6.0	3.9	4.2	4.9
- Complete trip interviews											
Number	77	144	75	47	29	214	173	156	172	9	1,096
Hours	3.2	3.6	4.6	4.0	4.1	4.3	5.2	5.0	3.7	4.2	4.3
- Incomplete trip interviews											
Number	35	44	45	16	47	124	56	109	70	0	546
Hours	4.7	4.7	5.5	5.3	7.8	6.2	6.9	7.4	4.4	-	6.1
Mean number of anglers per party	1.7	1.5	1.6	1.8	1.6	1.9	2.3	3.1	1.5	1.0	2.0
Target Species											
- Chinook	-	-	-	-	-	8	-	-	-	-	8
- Coho	-	-	-	-	-	-	-	3	17	-	20
- Coho jack	-	-	-	-	-	2	12	-	-	-	14
- Steelhead	14	-	-	-	-	-	-	3	1	-	18
- Cutthroat	16	-	-	-	-	16	4	1	-	-	37
- Sturgeon	-	9	2	-	15	16	8	1	-	1	52
- Anything	82	179	118	63	61	296	205	257	224	8	1,493
Harvested Catch											
- Chinook jack	-	-	-	1	1	-	-	2	-	-	4
- Coho	-	-	-	-	-	-	-	12	9	-	21
- Coho jack	-	-	-	-	-	1	-	74	32	-	107
- Chum	-	-	-	-	-	-	-	-	1	-	1
- Steelhead	1	-	-	-	-	11	3	1	-	-	16
- Rainbow	-	-	-	-	-	10	4	-	-	-	14
- Cutthroat	14	26	-	-	-	21	3	13	11	5	93
- Dolly Varden	-	-	-	-	-	-	-	1	1	-	2
- Whitefish	-	-	-	-	2	-	-	-	-	-	2
- Sturgeon	-	-	-	-	2	1	-	-	-	-	3
Released Catch											
- Coho	-	-	-	-	-	-	-	-	1	-	1
- Coho jack	-	-	-	-	-	-	-	1	1	-	2
- Steelhead	4	9	-	-	-	-	-	-	-	-	13
- Rainbow	-	-	-	-	-	2	3	-	-	-	5
- Cutthroat	7	24	-	-	-	-	-	6	6	-	43
- Sturgeon	-	1	-	-	8	10	-	1	2	-	22
- Unknown	4	13	-	5	1	-	-	-	-	-	23
Inspection of Catch											
- Number	13	21	0	1	4	24	4	18	24	1	110
- Number correct	13	21	-	1	4	14	4	18	24	1	100
Gear											
- Bait	112	188	120	63	75	331	229	265	242	9	1,634
- Lure	0	0	0	0	0	2	0	0	0	0	2
- Bait/Lure	0	0	0	0	1	5	0	0	0	0	6

Appendix 15d. Interview responses by month at Standard Gas Bar in the 1988 lower Fraser River sport fishery.

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Number of interviews	18	143	225	149	157	227	425	637	55	2,036
Mean Angler Day Length (hr.)										
- All anglers	3.1	4.7	4.6	6.3	7.1	7.2	5.8	4.7	2.9	5.4
- Complete trip interviews										
Number	15	72	165	72	79	114	257	379	51	1,204
Hours	2.6	3.3	3.9	3.7	4.9	6.0	4.9	4.1	2.9	4.3
- Incomplete trip interviews										
Number	3	71	60	77	78	113	168	258	4	832
Hours	5.3	6.0	6.7	8.6	9.3	8.4	7.1	5.8	2.0	7.1
Mean number of anglers in party	1.0	1.3	1.5	1.6	1.7	1.8	2.0	1.5	1.4	1.6
Target Species										
- Coho	-	-	-	-	-	-	10	-	-	10
- Cutthroat	-	1	-	-	-	-	-	-	-	1
- Sturgeon	-	-	-	1	1	2	-	-	-	4
- Anything	18	142	225	148	156	225	413	637	55	2,019
Harvested Catch										
- Chinook jack	-	-	4	-	-	1	1	-	-	6
- Coho	-	-	-	-	-	9	19	92	-	120
- Coho jack	-	-	-	-	1	4	64	112	-	181
- Chum	-	-	-	-	-	-	1	-	-	1
- Steelhead	-	-	-	-	2	-	-	-	-	2
- Rainbow	-	-	2	3	4	5	6	10	4	34
- Cutthroat	-	2	-	-	1	2	14	1	-	20
- Dolly Varden	-	-	1	-	-	-	-	-	-	1
- Sturgeon	-	1	-	1	1	-	-	-	-	3
Released Catch										
- Chinook	-	-	1	-	-	-	-	-	-	1
- Coho	-	-	-	-	-	-	-	1	-	1
- Coho jack	-	-	-	-	-	-	1	4	-	5
- Rainbow	-	-	-	-	-	1	1	2	1	5
- Cutthroat	-	-	-	-	1	2	-	-	-	3
- Dolly Varden	-	-	-	-	-	-	-	-	1	1
- Sturgeon	-	8	9	3	6	9	-	3	-	38
Inspection of Catch										
- Number	0	0	3	2	7	0	12	200	2	226
- Number correct	-	-	3	2	5	-	11	200	2	223
Gear										
- Bait	18	142	222	146	148	213	420	622	40	1,971
- Lure	0	0	0	0	2	3	0	0	2	7
- Bait/Lure	0	1	3	3	7	11	2	15	13	55

Appendix 15e. Angler effort, number of interviews and estimated harvest by species and month at Standard Gas Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs)	No. of interviews	Harvest											
				Chinook		Coho									
				Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon
1985	Sep	5,625	130	0	10	0	0	0	0	0	31	7	0	0	0
	Oct	6,292	294	0	0	31	165	22	0	0	22	0	0	0	0
	Nov	1,528	128	0	0	29	55	0	0	0	0	0	0	0	0
	Total	13,445	552	0	10	60	220	22	0	0	53	7	0	0	0
1986	May	434	79	0	0	0	0	0	0	0	5	7	0	0	0
	Jun	650	138	2	0	0	0	0	0	0	0	0	0	0	3
	Jul	1,928	345	0	3	0	0	0	0	0	0	3	0	0	5
	Aug	3,733	405	0	26	0	2	0	0	0	8	0	0	0	5
	Sep	6,763	305	0	15	3	17	0	0	0	269	0	32	0	4
	Oct	8,200	357	0	3	60	408	0	0	0	152	0	3	3	0
	Nov	4,672	116	0	0	72	262	0	0	0	19	0	0	0	0
	Dec	286	8	0	0	0	0	0	0	11	11	0	42	11	0
	Total	26,666	1,753	2	47	135	689	0	0	11	464	10	77	14	17
1987	Mar	1,982	112	0	0	0	0	0	0	0	81	4	0	0	0
	Apr	1,559	188	0	0	0	0	0	0	0	73	0	0	0	0
	May	1,255	120	0	0	0	0	0	0	0	0	0	0	0	0
	Jun	1,265	63	0	3	0	0	0	0	0	0	0	0	0	0
	Jul	1,683	76	0	6	0	0	0	0	0	0	0	0	0	9
	Aug	7,209	338	0	0	0	2	0	0	0	132	57	48	0	10
	Sep	5,882	229	0	0	0	0	0	0	0	9	17	12	0	0
	Oct	9,972	265	0	8	106	795	0	0	0	92	3	0	5	0
	Nov	2,676	242	0	0	26	104	0	0	2	35	0	0	7	0
	Dec	210	9	0	0	0	0	0	0	0	20	0	0	0	0
	Total	33,693	1,642	0	17	132	901	0	0	2	442	81	60	12	19
1988	Apr	275	18	0	0	0	0	0	0	0	0	0	0	0	0
	May	1,088	143	0	0	0	0	0	0	0	4	0	0	0	1
	Jun	1,921	225	0	11	0	0	0	0	0	0	0	3	2	0
	Jul	1,992	149	0	0	0	0	0	0	0	0	0	9	0	3
	Aug	3,996	157	0	0	0	7	0	0	0	5	15	15	0	7
	Sep	5,996	227	0	2	30	16	0	0	0	7	0	18	0	0
	Oct	5,998	425	0	2	63	212	0	0	3	60	0	18	0	0
	Nov	4,339	637	0	0	150	184	0	0	0	2	0	20	0	0
	Dec	395	55	0	0	0	0	0	0	0	0	0	10	0	0
	Total	27,000	2,036	0	15	243	419	0	0	3	78	15	93	2	11

Appendix 15f. Estimated release by species and month at Standard Gas Bar in the 1985-88 lower Fraser River sport fishery.

		Release												
		Chinook		Coho										
Year	Month	Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon	Un-known
1985	Sep	14	0	0	0	0	0	0	32	7	0	0	11	0
	Oct	0	0	0	0	2	0	0	37	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	2	0
	Total	14	0	0	0	2	0	0	69	7	0	0	13	0
1986	May	0	0	0	0	0	0	0	5	0	0	0	0	0
	Jun	2	0	0	0	0	0	0	0	0	0	0	2	2
	Jul	0	0	0	0	0	0	0	0	0	0	0	9	0
	Aug	0	0	0	0	0	0	0	0	0	0	0	9	0
	Sep	0	3	0	0	3	0	0	41	0	0	0	10	3
	Oct	0	0	0	0	0	0	0	18	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	2	3	0	0	3	0	0	64	0	0	0	30	5
1987	Mar	0	0	0	0	0	0	0	48	18	0	0	0	12
	Apr	0	0	0	0	0	0	0	57	28	0	0	4	30
	May	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jun	0	0	0	0	0	0	0	0	0	0	0	0	17
	Jul	0	0	0	0	0	0	0	0	0	0	0	36	3
	Aug	0	0	0	0	0	0	0	0	0	14	0	28	0
	Sep	0	0	0	0	0	0	0	0	0	17	0	0	0
	Oct	0	0	0	5	0	0	0	39	0	0	0	7	0
	Nov	0	0	3	3	0	0	0	17	0	0	0	5	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	3	8	0	0	0	161	46	31	0	80	62
1988	Apr	0	0	0	0	0	0	0	0	0	0	0	0	0
	May	0	0	0	0	0	0	0	0	0	0	0	14	0
	Jun	2	0	0	0	0	0	0	0	0	0	0	17	0
	Jul	0	0	0	0	0	0	0	0	0	0	0	6	0
	Aug	0	0	0	0	0	0	0	4	0	0	0	20	0
	Sep	0	0	0	0	0	0	0	9	0	7	0	42	0
	Oct	0	0	0	11	0	0	0	0	0	2	0	0	0
	Nov	0	0	4	7	0	0	0	0	0	3	0	6	0
	Dec	0	0	0	0	0	0	0	0	0	1	2	0	0
	Total	2	0	4	18	0	0	0	13	0	13	2	105	0

Appendix 15g. Estimated harvest, by month, species and mark type, at Standard Gas Bar in the 1985-88 lower Fraser River sport fishery. a

Year	Month	Chinook jack	Coho audlt			Coho jack		Steel-head	Cutthroat				
		AFC	AFC	LPC	RPC	AFC	RPC	AFC	AFC	LMC	RMC	AFC/ LMC	AFC/ RMC
1985	Sep	10	0	0	0	0	0	0	20	4	0	0	0
	Oct	0	0	0	0	0	113	2	5	9	2	0	0
	Nov	0	0	0	0	0	39	0	0	0	0	0	0
	Total	10	0	0	0	0	152	2	25	13	2	0	0
1986	May	0	0	0	0	0	0	7	5	0	0	0	0
	Jun	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	5	0	0	0	0	0	0	0	0	0	0	0
	Sep	0	0	0	0	0	0	0	0	0	0	0	0
	Oct	0	4	0	19	0	0	0	0	0	0	0	0
	Nov	0	4	12	18	0	0	0	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0
	Total	5	8	12	37	0	0	7	5	0	0	0	0
1987	Mar	0	0	0	0	0	0	4	0	0	0	0	0
	Apr	0	0	0	0	0	0	0	20	0	4	0	0
	May	0	0	0	0	0	0	0	0	0	0	0	0
	Jun	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	0	0	0	0	2	0	55	4	0	0	7	0
	Sep	0	0	0	0	0	0	17	0	0	0	0	3
	Oct	0	5	0	0	4	0	0	15	0	0	0	0
	Nov	0	0	0	0	2	0	0	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	5	0	0	8	0	76	39	0	4	7	3
1988	Apr	0	0	0	0	0	0	0	0	0	0	0	0
	May	0	0	0	0	0	0	0	0	0	0	0	0
	Jun	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	0	0	0	0	0	0	0	0	0	0	0	0
	Sep	0	16	0	0	0	0	0	0	0	0	0	0
	Oct	0	0	0	0	0	0	0	3	7	0	0	0
	Nov	0	2	0	0	0	0	0	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	18	0	0	0	0	0	3	7	0	0	0

a. Abbreviations are: AFC - adipose fin clip;
LPC, RPC - left or right pelvic fin clip;
LMC, RMC - left or right maxillary clip.

Appendix 15h. Mean proportion of daily angler effort per hour, by month and day type, at Standard Gas Bar in the 1985-88 lower Fraser River sport fishery.

Day type	Hour	1985			1986							1987		
		Sep	Oct	Nov	May	Jun	Jul	Aug	Sep	Oct	Nov	Mar	Apr	May
Weekday	4:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	2.4%	0.0%	0.0%
	5:00	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%	0.0%	0.6%	0.0%	0.0%
	6:00	0.5%	0.2%	0.0%	0.0%	0.2%	0.7%	0.0%	0.6%	0.9%	0.2%	0.8%	0.0%	0.0%
	7:00	1.1%	1.0%	3.0%	0.0%	1.0%	2.2%	1.2%	1.9%	3.0%	0.7%	1.1%	0.0%	0.0%
	8:00	2.1%	5.6%	6.7%	1.3%	2.5%	3.1%	1.3%	3.1%	5.0%	1.0%	3.4%	2.4%	0.0%
	9:00	6.1%	8.6%	8.1%	2.6%	6.0%	4.3%	5.3%	4.2%	6.8%	7.5%	6.8%	7.2%	1.4%
	10:00	8.0%	13.4%	9.8%	13.2%	7.5%	6.5%	7.2%	5.1%	9.5%	10.1%	9.6%	9.6%	2.0%
	11:00	9.6%	12.0%	13.6%	11.8%	9.5%	9.8%	7.5%	6.4%	9.0%	12.1%	11.2%	13.4%	3.4%
	12:00	10.5%	13.7%	12.8%	9.9%	10.9%	12.6%	8.0%	6.7%	9.3%	12.1%	12.9%	14.5%	11.5%
	13:00	11.4%	12.4%	13.2%	12.3%	9.1%	8.4%	8.2%	6.7%	9.3%	14.2%	13.6%	15.3%	12.5%
	14:00	11.0%	11.4%	13.2%	13.3%	10.2%	8.9%	8.4%	6.5%	9.6%	11.8%	11.9%	13.6%	12.9%
	15:00	11.0%	9.9%	12.8%	9.9%	9.1%	8.6%	8.1%	7.5%	9.0%	8.7%	11.9%	10.6%	11.5%
	16:00	8.5%	4.5%	6.9%	2.4%	9.3%	8.7%	11.0%	13.7%	9.0%	7.2%	11.0%	6.1%	12.9%
	17:00	6.4%	2.2%	0.0%	0.8%	9.3%	9.1%	9.3%	9.4%	6.0%	14.5%	2.5%	2.3%	11.5%
	18:00	6.4%	3.2%	0.0%	4.7%	6.4%	7.4%	7.7%	7.9%	5.8%	0.0%	0.0%	1.9%	9.5%
	19:00	6.1%	1.5%	0.0%	6.3%	2.9%	5.7%	6.5%	8.4%	5.8%	0.0%	0.0%	1.9%	5.4%
	20:00	0.9%	0.4%	0.0%	4.7%	2.9%	4.1%	5.2%	7.9%	1.5%	0.0%	0.0%	1.0%	4.1%
	21:00	0.2%	0.0%	0.0%	3.1%	1.2%	0.0%	3.4%	3.2%	0.5%	0.0%	0.0%	0.1%	1.4%
	22:00	0.0%	0.0%	0.0%	2.0%	1.2%	0.0%	1.2%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
	23:00	0.0%	0.0%	0.0%	1.0%	0.8%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	24:00	0.0%	0.0%	0.0%	0.5%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Weekend	2:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
	5:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%
	6:00	0.0%	0.3%	0.0%	0.0%	0.0%	0.3%	1.3%	0.9%	0.6%	2.4%	0.0%	0.0%	0.0%
	7:00	3.1%	0.9%	2.0%	0.0%	1.1%	1.7%	4.0%	2.0%	2.2%	7.6%	0.0%	1.4%	0.0%
	8:00	7.6%	5.5%	2.9%	0.0%	3.2%	2.5%	4.0%	4.9%	5.7%	12.9%	0.0%	2.8%	0.0%
	9:00	8.6%	11.1%	6.1%	3.2%	4.6%	5.5%	6.7%	4.7%	7.4%	7.2%	3.9%	5.6%	2.9%
	10:00	11.7%	13.3%	9.3%	4.3%	5.7%	6.8%	9.1%	6.7%	12.2%	7.9%	10.3%	8.4%	6.5%
	11:00	11.1%	13.3%	11.0%	13.9%	5.7%	8.9%	9.3%	7.8%	11.6%	10.5%	13.2%	15.0%	8.3%
	12:00	5.5%	14.2%	14.2%	13.9%	6.4%	10.2%	8.6%	8.8%	11.6%	10.3%	12.1%	12.8%	11.8%
	13:00	6.7%	11.6%	13.5%	17.1%	7.7%	9.7%	9.3%	10.2%	11.6%	11.9%	15.3%	15.0%	12.0%
	14:00	10.5%	10.5%	12.2%	14.9%	7.3%	10.5%	9.9%	9.8%	13.5%	11.4%	18.4%	14.0%	12.0%
	15:00	10.5%	9.8%	10.8%	13.9%	6.1%	10.0%	9.4%	9.8%	12.4%	8.6%	14.2%	12.2%	11.2%
	16:00	7.6%	5.6%	12.7%	12.8%	11.1%	9.5%	7.1%	5.3%	5.5%	7.2%	9.5%	7.9%	13.0%
	17:00	6.9%	3.3%	4.4%	1.1%	11.6%	8.5%	6.2%	5.7%	2.7%	1.4%	3.2%	3.9%	10.4%
	18:00	6.6%	0.5%	0.9%	1.1%	10.7%	7.3%	4.0%	6.5%	1.2%	0.5%	0.0%	1.1%	7.3%
	19:00	3.5%	0.0%	0.0%	1.1%	7.6%	4.8%	3.9%	7.8%	1.2%	0.1%	0.0%	0.0%	3.5%
	20:00	0.0%	0.0%	0.0%	1.1%	4.9%	3.7%	4.0%	6.5%	0.4%	0.0%	0.0%	0.0%	1.3%
	21:00	0.0%	0.0%	0.0%	0.5%	1.8%	0.0%	2.3%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%
	22:00	0.0%	0.0%	0.0%	0.5%	1.8%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	23:00	0.0%	0.0%	0.0%	0.5%	1.8%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	24:00	0.0%	0.0%	0.0%	0.3%	0.9%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Continued

Appendix 15h. Mean proportion of daily angler effort per hour, by month and day type, at Standard Gas Bar in the 1985-88 lower Fraser River sport fishery, continued.

Day type	Hour	1987						1988							
		Jun	Jul	Aug	Sep	Oct	Nov	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Weekday	4:00	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.1%	0.0%
	5:00	0.0%	0.0%	0.3%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%	0.4%	0.1%
	6:00	0.0%	0.2%	0.4%	0.1%	1.8%	0.8%	0.0%	0.0%	0.2%	0.3%	0.4%	0.4%	1.3%	0.4%
	7:00	0.0%	1.3%	0.7%	0.8%	5.2%	3.0%	0.0%	0.0%	0.5%	0.6%	0.7%	1.0%	3.4%	3.1%
	8:00	0.0%	4.2%	1.7%	2.3%	5.2%	6.1%	0.0%	0.0%	0.9%	0.6%	1.3%	2.9%	7.1%	6.9%
	9:00	4.6%	8.9%	1.8%	0.6%	6.4%	10.5%	6.9%	0.9%	1.8%	4.5%	1.6%	5.6%	11.2%	10.2%
	10:00	10.7%	9.7%	2.2%	7.5%	8.0%	12.4%	6.9%	5.1%	7.4%	9.7%	3.6%	8.0%	15.0%	12.2%
	11:00	13.7%	11.4%	4.2%	10.9%	10.6%	11.3%	11.0%	4.7%	11.0%	9.1%	4.6%	11.9%	10.4%	12.2%
	12:00	13.7%	11.4%	3.3%	12.8%	10.5%	11.6%	14.7%	8.8%	13.3%	13.6%	8.2%	11.4%	12.4%	10.9%
	13:00	15.3%	8.8%	6.5%	13.3%	10.1%	12.0%	11.0%	11.9%	12.8%	11.2%	11.0%	11.8%	11.1%	10.7%
	14:00	17.6%	10.1%	6.9%	11.3%	8.9%	11.8%	14.7%	11.6%	13.5%	14.3%	10.6%	11.6%	10.0%	11.6%
	15:00	15.3%	10.5%	6.3%	8.5%	8.0%	9.7%	7.3%	11.3%	10.8%	12.5%	11.1%	10.8%	6.2%	11.1%
	16:00	7.6%	8.4%	8.5%	7.5%	5.7%	7.2%	9.2%	13.1%	8.8%	11.7%	8.8%	7.3%	4.3%	8.1%
	17:00	1.5%	8.4%	8.2%	9.0%	6.7%	3.2%	9.2%	13.1%	5.5%	9.1%	9.2%	6.1%	3.1%	2.5%
	18:00	0.0%	5.1%	10.5%	6.0%	5.3%	0.4%	9.2%	9.3%	4.4%	2.6%	7.9%	3.9%	2.2%	0.0%
	19:00	0.0%	1.7%	11.0%	3.8%	4.5%	0.0%	0.0%	4.6%	3.9%	0.0%	6.2%	2.2%	1.9%	0.0%
	20:00	0.0%	0.0%	10.7%	0.0%	1.5%	0.0%	0.0%	2.3%	3.3%	0.0%	5.2%	2.2%	0.0%	0.0%
	21:00	0.0%	0.0%	9.5%	0.0%	0.7%	0.0%	0.0%	1.5%	1.5%	0.0%	4.6%	1.3%	0.0%	0.0%
	22:00	0.0%	0.0%	4.7%	0.0%	0.3%	0.0%	0.0%	0.7%	0.4%	0.0%	2.4%	0.6%	0.0%	0.0%
	23:00	0.0%	0.0%	1.7%	0.0%	0.2%	0.0%	0.0%	0.7%	0.0%	0.0%	1.5%	0.4%	0.0%	0.0%
	24:00	0.0%	0.0%	0.4%	0.0%	0.1%	0.0%	0.0%	0.4%	0.0%	0.0%	0.8%	0.2%	0.0%	0.0%
	2:00	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%
Weekend	3:00	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.2%	0.0%
	5:00	0.0%	0.0%	0.2%	-	0.2%	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%	0.1%	1.0%	0.0%
	6:00	0.0%	0.0%	0.7%	-	1.1%	1.4%	0.0%	0.0%	0.0%	0.4%	0.3%	0.2%	2.2%	0.6%
	7:00	0.0%	1.3%	1.4%	-	3.9%	4.6%	0.0%	0.0%	0.3%	0.9%	1.2%	0.5%	5.1%	2.4%
	8:00	0.0%	3.9%	4.1%	-	3.6%	8.7%	0.0%	1.3%	1.6%	1.5%	4.6%	3.4%	7.6%	8.8%
	9:00	2.7%	3.9%	3.8%	-	4.4%	8.5%	0.0%	4.0%	4.3%	4.2%	8.1%	6.0%	9.8%	10.3%
	10:00	8.1%	5.2%	5.7%	-	3.9%	9.6%	0.0%	4.6%	6.2%	7.0%	13.1%	8.7%	11.2%	11.1%
	11:00	8.1%	7.9%	6.1%	-	8.2%	10.5%	0.0%	10.6%	8.1%	10.0%	13.9%	8.7%	11.0%	11.1%
	12:00	8.1%	6.5%	6.9%	-	8.8%	10.6%	11.1%	10.9%	9.6%	12.7%	13.1%	9.5%	10.8%	10.9%
	13:00	14.8%	13.1%	9.0%	-	9.7%	10.0%	33.3%	11.2%	10.7%	12.3%	11.6%	11.9%	10.9%	11.2%
	14:00	14.8%	13.4%	8.9%	-	8.8%	10.5%	33.3%	13.8%	11.4%	12.3%	9.7%	11.7%	11.4%	11.1%
	15:00	12.6%	12.4%	9.1%	-	8.5%	11.1%	22.2%	14.1%	11.5%	11.5%	8.7%	10.2%	8.3%	9.4%
	16:00	12.8%	7.9%	7.8%	-	8.5%	7.5%	0.0%	8.5%	10.8%	7.9%	5.8%	8.7%	5.3%	8.5%
	17:00	9.4%	6.5%	6.7%	-	8.4%	4.7%	0.0%	5.8%	9.7%	6.1%	5.8%	6.7%	2.9%	3.8%
	18:00	6.7%	5.2%	5.8%	-	8.4%	1.8%	0.0%	4.8%	7.9%	4.9%	2.7%	5.1%	1.4%	0.8%
	19:00	2.0%	4.4%	7.2%	-	7.6%	0.4%	0.0%	4.8%	3.2%	3.6%	1.2%	4.1%	0.6%	0.0%
	20:00	0.0%	2.6%	6.9%	-	4.5%	0.1%	0.0%	4.8%	2.2%	3.6%	0.0%	3.6%	0.1%	0.0%
	21:00	0.0%	2.6%	4.7%	-	1.5%	0.0%	0.0%	1.0%	1.5%	0.0%	0.0%	1.1%	0.1%	0.0%
	22:00	0.0%	1.6%	2.6%	-	0.1%	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%
	23:00	0.0%	1.0%	1.7%	-	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
	24:00	0.0%	0.4%	0.7%	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Appendix 16a. Interview responses by month at Two Bit Bar in the 1986 and 1988 lower Fraser River sport fishery.

	1986		1988		
	Nov	Total	Oct	Nov	Total
Number of Interviews	23	23	545	193	738
Mean Angler Day Length (hr.)					
- All anglers	3.6	3.6	7.3	6.2	7.0
- Complete trip interviews					
Number	22	22	344	139	483
Hours	3.4	3.4	6.8	6.0	6.6
- Incomplete trip interviews					
Number	1	1	201	54	255
Hours	7.5	7.5	8.2	6.5	7.8
Mean number of anglers per party	1.7	1.7	1.9	1.9	1.9
Target Species					
- Coho	23	23	-	-	0
- Anything	-	0	545	193	738
Harvested Catch					
- Coho	5	5	161	104	265
- Coho jack	7	7	166	89	255
- Chum	-	0	-	1	1
- Steelhead	-	0	1	-	1
- Cutthroat	2	2	5	2	7
- Sturgeon	-	0	1	-	1
Released Catch					
- Coho	-	0	1	-	1
- Coho jack	-	0	7	-	7
- Cutthroat	-	0	1	-	1
- Sturgeon	-	0	6	-	6
Inspection of Catch					
- Number	5	5	72	74	146
- Number correct	5	5	72	74	146
Gear					
- Bait	23	23	545	191	736
- Bait/Lure	0	0	0	2	2
In B.C. for Expo-86	0	0	-	-	-

Appendix 16b. Angler effort, number of interviews and estimated harvest by species and month at Two Bit Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b											
				Chinook		Coho									
				Adult	Jack	Adult	Jack	Pink	Sockeye	Chum	Cutthroat	Steelhead	Rainbow	Dolly Varden	Sturgeon
1985	Sep	4,820	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	8,578	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	2,079	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	15,477	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	May	196	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	99	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	685	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	1,651	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	4,295	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	10,141	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	1,956	23	0	0	125	175	0	0	0	50	0	0	0	0
	Dec	159	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	19,182	23	0	0	125	175	0	0	0	50	0	0	0	0
1987	Mar	142	0	-	-	-	-	-	-	-	-	-	-	-	-
	Apr	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	78	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	526	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	1,826	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	2,671	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	15,567	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	1,223	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	22,034	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Apr	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	96	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	1,125	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	4,417	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	10,997	545	0	0	653	600	0	0	0	27	5	0	0	2
	Nov	3,412	193	0	0	276	306	0	0	3	7	0	0	0	0
	Dec	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	20,046	738	0	0	929	906	0	0	3	34	5	0	0	2

a. Angler effort during the unsurveyed months was estimated from the Two Bit Bar mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 16c. Estimated release by species and month at Two Bit Bar in the 1988 lower Fraser River sport fishery.

		Release a												
		Chinook		Coho										
Year	Month	Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon	Un-known
1986	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Oct	0	0	2	11	0	0	0	2	0	0	0	9	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0

a. Release was estimated only during months when a surveyor was stationed at the bar.

Appendix 16d. Estimated harvest, by month, species and mark type, at Two Bit Bar in the 1988 lower Fraser River sport fishery. a

Year	Month	Coho adult AFC	Coho jack LPC	Cutthroat RMC
1986	Nov	2	8	0
1988	Oct	13	12	2

a. Abbreviations are: AFC - adipose fin clip; LPC, RPC - left or right pelvic fin clip.

Appendix 16e. Mean proportion of daily angler effort per hour, by month and day type, at Two Bit Bar in the 1988 lower Fraser River sport fishery.

	October		November	
Hour	Weekday	Weekend	Weekday	Weekend
1:00	0.0%	0.1%	0.0%	0.0%
2:00	0.0%	0.2%	0.0%	0.0%
3:00	0.0%	0.2%	0.0%	0.0%
4:00	0.1%	0.5%	0.0%	1.4%
5:00	1.1%	1.3%	0.0%	3.1%
6:00	3.0%	3.5%	2.2%	4.2%
7:00	7.0%	7.1%	7.1%	8.9%
8:00	7.9%	7.8%	7.8%	6.3%
9:00	9.1%	8.7%	8.7%	6.8%
10:00	10.4%	10.0%	11.1%	7.2%
11:00	11.2%	9.6%	12.0%	9.7%
12:00	12.2%	10.0%	13.7%	11.6%
13:00	12.0%	9.4%	11.8%	10.7%
14:00	10.4%	9.0%	9.7%	9.9%
15:00	8.1%	8.5%	9.0%	7.7%
16:00	4.2%	4.7%	5.5%	8.2%
17:00	1.7%	3.8%	1.4%	4.0%
18:00	0.8%	3.1%	0.0%	0.2%
19:00	0.4%	2.0%	0.0%	0.0%
20:00	0.1%	0.1%	0.0%	0.0%
21:00	0.1%	0.1%	0.0%	0.0%
22:00	0.1%	0.1%	0.0%	0.0%
23:00	0.1%	0.1%	0.0%	0.0%
24:00	0.1%	0.0%	0.0%	0.0%

REGION 3 SITES: SUMAS RIVER TO HARRISON RIVER

Appendix 17a. Interview responses by month at Bowman's Bar in the 1985-86 lower Fraser River sport fishery.

	1985			1986			
	Sep	Oct	Total	Sep	Oct	Nov	Total
Number of Interviews	82	160	242	788	719	43	1,550
Mean Angler Day Length (hr.)							
- All anglers	9.2	7.6	8.1	8.7	8.7	8.3	26
- Complete trip interviews							
Number	50	113	163	405	300	13	718
Hours	7.6	6.5	6.8	7.8	7.3	7.7	7.6
- Incomplete trip interviews							
Number	32	47	79	383	419	30	832
Hours	11.7	10.2	10.8	9.6	9.7	8.5	9.6
Mean number of anglers per party	2.5	2.8	2.7	2.8	3.4	2.7	3.1
Target Species							
- Chinook	5	3	8	-	-	-	0
- Chinook jack	2	-	2	-	-	-	0
- Coho	10	20	30	-	-	-	0
- Steelhead	26	69	95	-	1	-	1
- Cutthroat	1	-	1	-	-	-	0
- Anything	37	68	105	788	718	43	1,549
Harvested Catch							
- Chinook	3	11	14	52	46	-	98
- Chinook jack	16	18	34	377	60	-	437
- Coho	7	8	15	55	122	27	204
- Coho jack	2	-	2	53	13	2	68
- Pink	1	-	1	-	-	-	0
- Steelhead	2	9	11	21	8	-	29
- Cutthroat	-	-	0	4	1	-	5
- Dolly Varden	-	-	0	-	1	-	1
- Sturgeon	-	-	0	2	-	-	2
Released Catch							
- Chinook	-	4	4	-	1	-	1
- Chinook jack	-	-	0	2	1	-	3
- Coho	-	-	0	1	-	-	1
- Coho jack	-	-	0	1	1	-	2
- Sockeye	-	-	0	3	1	-	4
- Chum	1	4	5	-	35	5	40
- Pink	11	5	16	-	-	-	0
- Steelhead	-	1	1	3	99	3	105
Inspection of Catch							
- Number	18	42	60	349	168	28	545
- Number correct	18	42	60	349	168	28	545
Gear							
- Bait	10	1	11	244	14	1	259
- Lure	54	127	181	114	401	21	536
- Bait/Lure	18	32	50	429	304	21	754
In B.C. for Expo-86	-	-	-	0	1	0	1

Appendix 17b . Interview responses by month at Bowman's Bar in the 1987-88 lower Fraser River sport fishery.

	1987					1988				
	Aug	Sep	Oct	Nov	Total	Aug	Sep	Oct	Nov	Total
Number of Interviews	210	791	474	98	1,573	91	199	284	10	584
Mean Angler Day Length (hr.)										
- All anglers	8.2	9.2	9.1	7.7	8.9	9.0	8.6	9.0	5.9	8.8
- Complete trip interviews										
Number	123	352	161	43	679	72	100	84	7	263
Hours	7.2	7.7	7.2	6.2	7.4	8.1	7.6	7.0	5.1	7.5
- Incomplete trip interviews										
Number	87	439	313	55	894	19	99	200	3	321
Hours	9.7	10.3	10.2	8.8	10.1	12.6	9.6	9.8	7.7	9.9
Mean number of anglers per party	3.1	3.9	4.1	2.8	3.8	3.1	2.7	3.4	2.4	3.1
Target Species										
- Anything	210	791	474	-	1,475	91	199	284	10	584
Harvested Catch										
- Chinook	6	44	28	1	79	1	16	8	-	25
- Chinook jack	56	87	19	-	162	26	84	38	-	148
- Coho	-	47	81	20	148	-	42	43	1	86
- Coho jack	-	1	25	3	29	-	5	2	-	7
- Steelhead	-	10	25	1	36	-	6	10	-	16
- Cutthroat	1	4	-	-	5	-	-	-	-	0
Released Catch										
- Chinook	-	1	4	-	5	-	1	-	-	1
- Chinook jack	-	2	2	-	4	5	20	7	-	32
- Coho	-	1	1	-	2	-	1	-	-	1
- Coho jack	-	-	4	-	4	-	-	-	-	0
- Sockeye	1	-	-	-	1	4	-	-	-	4
- Chum	-	1	39	8	48	-	-	1	-	1
- Pink	-	42	28	-	70	-	-	-	-	0
- Steelhead	-	3	5	-	8	-	4	6	-	10
- Rainbow	-	1	-	-	1	-	-	-	-	0
- Cutthroat	3	6	-	-	9	-	-	-	-	0
- Sturgeon	-	-	-	-	0	-	1	-	-	1
Inspection of Catch										
- Number	62	187	171	23	443	26	123	31	1	181
- Number correct	62	187	170	23	442	26	123	31	1	181
Gear										
- Bait	1	3	0	1	5	0	31	142	9	182
- Lure	74	531	385	72	1,062	76	127	134	1	338
- Bait/Lure	135	257	89	25	506	15	41	7	0	63

Appendix 17c. Angler effort, number of interviews and estimated harvest by species and month at Bowman's Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b											
				Chinook		Coho									
				Adult	Jack	Adult	Jack	Pink	Sockeye	Chum	Cutthroat	Steelhead	Rainbow	Dolly Varden	Sturgeon
1985	Sep	7,410	82	37	157	113	40	20	0	0	0	30	0	0	0
	Oct	8,529	160	124	122	37	0	0	0	0	0	81	0	0	0
	Nov	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	15,939	242	161	279	150	40	20	0	0	0	111	0	0	0
1986	May	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	94	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	9,156	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	15,350	788	141	1,040	122	138	0	0	0	4	58	0	0	6
	Oct	14,234	719	119	175	316	36	0	0	0	3	28	0	3	0
	Nov	2,167	43	0	0	180	15	0	0	0	0	0	0	0	0
	Dec	224	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	41,225	1,550	260	1,215	618	189	0	0	0	7	86	0	3	6
1987	Mar	226	0	-	-	-	-	-	-	-	-	-	-	-	-
	Apr	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	668	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	3,661	210	12	154	0	0	0	0	0	5	0	0	0	0
	Sep	13,755	791	88	205	101	1	0	0	0	12	26	0	0	0
	Oct	10,797	474	78	42	316	77	0	0	0	0	89	0	0	0
	Nov	1,596	98	1	0	49	11	0	0	0	0	3	0	0	0
	Dec	54	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	30,757	1,573	179	401	466	89	0	0	0	17	118	0	0	0
1988	Apr	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	1,322	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	3,306	91	15	80	0	0	0	0	0	0	0	0	0	0
	Sep	7,949	199	86	449	212	23	0	0	0	0	30	0	0	0
	Oct	7,850	284	26	106	190	20	0	0	0	0	45	0	0	0
	Nov	483	10	0	0	21	0	0	0	0	0	0	0	0	0
	Dec	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	20,910	584	127	635	423	43	0	0	0	0	75	0	0	0

a. Angler effort during the unsurveyed months was estimated from the Bowman's Bar mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 17d. Estimated release by species and month at Bowman's Bar in the 1985-88 lower Fraser River sport fishery.

		Release a												
		Chinook		Coho										
Year	Month	Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon	Un-known
1985	Sep	0	0	0	0	153	0	20	0	0	0	0	0	0
	Oct	37	0	0	0	79	0	37	0	25	0	0	0	0
1986	Sep	0	5	3	3	0	8	0	0	6	0	0	0	0
	Oct	2	1	0	1	0	2	122	0	286	0	0	0	0
	Nov	0	0	0	0	0	0	27	0	19	0	0	0	0
1987	Aug	0	0	0	0	0	1	0	12	0	0	0	0	0
	Sep	2	5	3	0	101	0	1	13	6	3	0	0	0
	Oct	9	5	1	15	56	0	107	0	12	0	0	0	0
	Nov	0	0	0	0	0	0	16	0	0	0	0	0	0
1988	Aug	0	15	0	0	0	13	0	0	0	0	0	0	0
	Sep	5	103	5	0	0	0	0	0	21	0	0	5	0
	Oct	0	39	0	0	0	0	4	0	37	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0

a. Release was estimated only during months when a surveyor was stationed at the bar.

Appendix 17e. Estimated harvest, by month, species and mark type, at Bowman's Bar in the 1985-88 lower Fraser River sport fishery.

				Coho adult						Cutthroat	
Year	Month	Chinook adult AFC	Chinook jack AFC	AFC	LPC	RPC	AFC/ RPC	Coho jack AFC	Steelhead AFC	LMC	AFC/ RMC
1985	Sep	0	0	0	0	0	0	0	0	0	0
	Oct	0	0	0	0	0	0	0	0	0	0
1986	Sep	4	33	0	0	3	0	4	3	0	0
	Oct	1	6	0	4	34	0	0	0	0	0
	Nov	0	0	17	0	67	2	0	0	0	0
1987	Aug	0	4	0	0	0	0	0	0	0	0
	Sep	3	15	4	0	0	0	0	0	3	7
	Oct	0	2	0	0	0	0	4	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0
1988	Aug	0	0	0	0	0	0	0	0	0	0
	Sep	0	5	0	0	0	0	0	0	0	0
	Oct	0	0	10	0	0	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0

Appendix 17f. Mean proportion of daily angler effort per hour, by month and day type, at Bowman's Bar in the 1985-88 lower Fraser River sport fishery.

Day type	Hour	1985		1986			1987				1988			
		Sep	Oct	Sep	Oct	Nov	Aug	Sep	Oct	Nov	Aug	Sep	Oct	Nov
Weekday	5:00	0.4%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	6:00	2.9%	1.5%	3.4%	1.4%	1.1%	0.3%	2.0%	0.9%	0.4%	0.5%	2.2%	1.7%	0.0%
	7:00	5.7%	3.2%	7.1%	4.5%	2.6%	1.4%	6.0%	4.2%	1.6%	1.5%	7.0%	5.3%	10.5%
	8:00	6.9%	7.3%	7.9%	8.1%	3.5%	9.2%	8.2%	6.7%	6.5%	3.0%	7.3%	5.3%	10.5%
	9:00	7.2%	9.2%	9.8%	9.7%	9.0%	12.0%	9.8%	9.3%	9.8%	4.5%	9.2%	6.3%	10.5%
	10:00	8.2%	10.6%	10.7%	10.9%	10.0%	12.0%	10.3%	10.4%	12.0%	6.0%	10.1%	7.1%	10.5%
	11:00	8.1%	11.2%	11.5%	10.0%	11.0%	14.3%	10.5%	9.5%	9.8%	9.0%	11.0%	9.5%	10.5%
	12:00	7.9%	10.8%	7.5%	10.3%	11.0%	15.7%	9.0%	9.7%	9.8%	12.0%	12.7%	9.5%	10.5%
	13:00	7.7%	10.0%	8.8%	10.1%	11.0%	9.3%	8.3%	9.3%	9.8%	10.2%	12.4%	9.9%	10.5%
	14:00	7.4%	8.9%	8.0%	8.5%	12.0%	9.1%	8.2%	9.2%	9.8%	9.0%	12.0%	9.5%	10.5%
	15:00	7.3%	7.8%	6.8%	9.5%	11.3%	7.1%	7.2%	9.0%	8.7%	6.6%	10.5%	8.3%	10.5%
	16:00	6.5%	8.4%	4.6%	6.6%	10.0%	5.2%	6.2%	7.2%	8.7%	8.0%	2.0%	10.4%	5.3%
	17:00	5.8%	3.8%	3.0%	4.8%	7.7%	2.4%	4.9%	5.9%	8.7%	8.5%	1.1%	8.5%	0.0%
	18:00	6.5%	3.8%	2.3%	3.3%	0.0%	0.7%	3.1%	4.7%	2.9%	8.0%	1.1%	5.3%	0.0%
	19:00	5.8%	2.7%	2.3%	2.2%	0.0%	0.7%	3.2%	3.6%	1.5%	7.0%	0.7%	3.2%	0.0%
	20:00	5.5%	0.6%	1.9%	0.0%	0.0%	0.7%	2.8%	0.4%	0.0%	3.0%	0.7%	0.0%	0.0%
	21:00	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	3.0%	0.0%	0.0%	0.0%
	22:00	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	23:00	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	24:00	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Weekend	4:00	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.0%	0.2%	0.3%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	5.0%	0.0%	0.1%	0.0%
	6:00	1.0%	1.9%	2.6%	0.3%	0.8%	1.4%	3.0%	0.2%	0.1%	3.8%	2.2%	3.8%	0.0%
	7:00	2.1%	5.4%	5.6%	0.9%	3.4%	3.9%	7.3%	2.6%	1.8%	7.5%	5.7%	10.7%	0.0%
	8:00	2.1%	6.3%	6.3%	5.6%	6.1%	4.1%	7.7%	8.9%	3.9%	8.4%	7.2%	10.7%	8.2%
	9:00	4.6%	11.2%	8.5%	7.8%	10.7%	5.7%	8.4%	10.4%	10.6%	8.6%	7.9%	11.6%	8.2%
	10:00	7.2%	11.6%	9.1%	8.8%	12.2%	7.8%	8.9%	11.6%	11.1%	8.8%	8.4%	12.2%	9.8%
	11:00	8.2%	11.6%	9.7%	11.2%	12.3%	8.3%	9.1%	9.8%	11.7%	9.1%	8.6%	9.3%	14.8%
	12:00	9.3%	11.6%	8.9%	11.3%	12.3%	8.0%	8.8%	9.9%	10.4%	9.7%	8.9%	9.8%	14.8%
	13:00	8.8%	10.0%	9.7%	10.2%	10.6%	9.2%	8.2%	9.6%	10.4%	9.7%	8.9%	9.5%	14.8%
	14:00	8.8%	8.6%	9.3%	9.1%	9.7%	8.6%	7.9%	9.4%	10.4%	9.4%	8.5%	9.5%	9.8%
	15:00	8.8%	7.4%	8.7%	8.1%	8.5%	8.7%	7.3%	9.1%	10.7%	7.1%	8.1%	8.1%	9.8%
	16:00	8.8%	6.2%	7.4%	9.2%	6.8%	10.3%	6.4%	6.7%	10.0%	6.6%	7.3%	1.9%	6.6%
	17:00	8.8%	4.8%	5.3%	8.1%	6.3%	8.0%	5.0%	5.5%	8.0%	3.9%	5.5%	1.1%	3.3%
	18:00	8.2%	2.6%	4.0%	6.1%	0.4%	6.1%	4.2%	3.6%	0.9%	2.9%	4.8%	0.8%	0.0%
	19:00	7.1%	0.7%	2.5%	2.9%	0.0%	3.7%	3.9%	2.7%	0.0%	2.4%	3.9%	0.8%	0.0%
	20:00	6.1%	0.1%	1.8%	0.4%	0.0%	3.5%	3.1%	0.0%	0.0%	1.1%	3.9%	0.0%	0.0%
	21:00	0.0%	0.0%	0.1%	0.1%	0.0%	2.7%	0.7%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%
	22:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%

Appendix 18a. Interview responses by month at Englebrich Bar in the 1985 lower Fraser River sport fishery.

	Sep	Oct	Nov	Total
Number of Interviews	393	374	170	937
Mean Angler Day Length (hr.)				
- All anglers	6.8	7.0	4.1	6.4
- Complete trip interviews				
Number	198	220	107	525
Hours	5.8	6.3	3.4	5.5
- Incomplete trip interviews				
Number	195	154	63	412
Hours	7.8	8.1	5.1	7.5
Mean number of anglers per party	2.1	2.1	1.4	2.0
Target Species				
- Chinook	16	3	-	19
- Coho	36	13	2	51
- Coho jack	21	-	-	21
- Steelhead	121	242	58	421
- Anything	199	116	110	425
Harvested Catch				
- Chinook	-	1	-	1
- Chinook jack	2	1	-	3
- Coho	5	5	-	10
- Coho jack	4	1	-	5
- Steelhead	3	19	4	26
Released Catch				
- Chum	-	-	4	4
- Pink	50	124	1	175
- Steelhead	-	-	1	1
- Cutthroat	1	-	-	1
- Sturgeon	1	-	-	1
Inspection of Catch				
- Number	7	13	0	20
- Number correct	7	13	-	20
Gear				
- Bait	23	2	0	25
- Lure	361	357	170	888
- Bait/Lure	9	15	0	24

Appendix 18b. Interview responses by month at Englebrich Bar in the 1986 lower Fraser River sport fishery.

	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Number of Interviews	14	4	179	259	1,149	287	38	11	1,941
Mean Angler Day Length (hr.)									
- All anglers	4.0	4.0	6.0	6.0	5.3	4.8	2.9	1.6	5.3
- Complete trip interviews									
Number	11	3	168	166	701	172	36	9	1,266
Hours	4.1	4.0	6.1	5.1	4.7	3.6	2.8	1.7	4.7
- Incomplete trip interviews									
Number	3	1	11	93	448	115	2	2	675
Hours	2.3	4.0	4.8	7.5	6.3	6.4	3.8	1.5	6.4
Mean number of anglers per party	1.3	1.0	1.9	2.8	1.8	1.9	1.2	2.0	1.9
Target Species									
- Chinook	1	3	-	5	1	-	-	-	10
- Chinook jack	-	-	-	43	39	-	-	-	82
- Coho	-	-	12	3	-	-	-	-	15
- Coho jack	-	-	-	6	-	-	-	-	6
- Steelhead		-	-	8	101	-	-	-	109
- Sturgeon	-	-	-	2	-	-	-	-	2
- Anything	13	1	167	192	1,008	287	38	11	1,717
Harvested Catch									
- Chinook	-	-	-	-	2	-	-	-	2
- Chinook jack	-	-	10	15	39	-	-	-	64
- Coho jack	-	-	-	-	8	1	-	-	9
- Steelhead	-	-	1	-	10	5	-	-	16
- Dolly Varden	-	-	-	-	1	1	-	-	2
Released Catch									
- Chinook	-	-	9	1	-	-	-	-	10
- Chinook jack	-	-	-	1	3	-	-	-	4
- Sockeye	-	-	-	1	-	-	-	-	1
- Steelhead	-	-	-	-	-	6	-	-	6
- Unknown	-	-	-	1	-	-	-	-	1
Inspection of Catch									
- Number	0	0	7	5	11	2	0	0	25
- Number correct	-	-	7	5	11	2	-	-	25
Gear									
- Bait	9	4	157	50	50	12	0	0	282
- Lure	5	0	6	116	794	225	37	11	1,194
- Bait/Lure	0	0	16	93	305	50	1	0	465
In B.C. for Expo-86	0	0	0	0	0	0	0	0	0

Appendix 18c. Interview responses by month at Englebrich Bar in the 1987-88 lower Fraser River sport fishery.

	1987				1988						
	Sep	Oct	Nov	Total	Jul	Aug	Sep	Oct	Nov	Dec	Total
Number of Interviews	538	520	218	1,276	125	147	161	112	53	2	600
Mean Angler Day Length (hr.)											
- All anglers	7.0	6.3	5.1	6.4	8.9	7.3	6.9	6.3	4.2	3.0	7.1
- Complete trip interviews											
Number	291	280	167	738	88	62	35	56	40	2	283
Hours	6.4	5.6	5.2	5.8	8.0	6.8	5.5	5.5	3.5	3.0	6.3
- Incomplete trip interviews											
Number	247	240	51	538	37	85	126	56	13	0	317
Hours	7.8	7.2	4.8	7.2	11.1	7.6	7.3	7.0	6.3	-	7.7
Mean number of anglers per party	1.4	1.5	1.6	1.5	2.5	2.2	2.2	2.1	1.4	2.0	2.2
Target Species											
- Chinook	28	25	2	55	-	-	-	-	-	-	0
- Coho	21	24	-	45	-	-	-	-	-	-	0
- Steelhead	37	141	87	265	-	-	-	-	-	-	0
- Cutthroat	1	2	21	24	-	-	-	-	-	-	0
- Sturgeon	-	1	-	1	-	-	-	-	-	-	0
- Anything	451	327	108	886	125	147	161	112	53	2	600
Harvested Catch											
- Chinook	6	1	-	7	14	9	1	-	-	-	24
- Chinook jack	6	-	-	6	7	16	11	1	-	-	35
- Coho	2	1	2	5	-	3	-	4	-	-	7
- Coho jack	3	-	-	3	-	-	-	-	-	-	0
- Pink	2	-	-	2	-	-	-	-	-	-	0
- Steelhead	9	20	5	34	-	-	-	3	-	-	3
- Whitefish	1	-	-	1	-	-	-	-	-	-	0
- Cutthroat	1	-	5	6	-	-	-	-	-	-	0
Released Catch											
- Chinook	1	-	-	1	3	-	-	-	-	-	3
- Chinook jack	-	-	-	0	-	-	1	-	-	-	1
- Chum	-	-	1	1	-	-	-	1	1	-	2
- Pink	23	16	-	39	-	-	-	-	-	-	0
- Steelhead	2	2	-	4	-	-	-	1	-	-	1
Inspection of Catch											
- Number	30	22	12	64	19	28	11	7	0	0	65
- Number correct	30	21	12	63	19	28	11	7	-	-	65
Gear											
- Bait	1	3	21	25	0	1	2	83	39	0	125
- Lure	428	438	182	1,048	123	135	125	28	10	0	421
- Bait/Lure	109	79	15	203	2	11	34	0	4	2	53

Appendix 18d. Angler effort, number of interviews and estimated harvest by species and month at Englebrich Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b											
				Chinook		Coho									
				Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon
1985	Sep	12,245	393	0	4	11	27	0	0	0	0	9	0	0	0
	Oct	15,970	374	7	2	18	7	0	0	0	0	169	0	0	0
	Nov	2,123	170	0	0	0	0	0	0	0	0	7	0	0	0
	Total	30,338	937	7	6	29	34	0	0	0	0	185	0	0	0
1986	May	338	14	0	0	0	0	0	0	0	0	0	0	0	0
	Jun	32	4	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	2,272	179	0	20	0	0	0	0	0	0	2	0	0	0
	Aug	4,016	259	0	30	0	0	0	0	0	0	0	0	0	0
	Sep	10,573	1,149	3	80	0	18	0	0	0	0	21	0	2	0
	Oct	3,363	287	0	0	0	6	0	0	0	0	22	0	3	0
	Nov	454	38	0	0	0	0	0	0	0	0	0	0	0	0
	Dec	85	11	0	0	0	0	0	0	0	0	0	0	0	0
	Total	21,133	1,941	3	130	0	24	0	0	0	0	45	0	5	0
1987	Mar	129	0	-	-	-	-	-	-	-	-	-	-	-	-
	Apr	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	552	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	3,823	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	4,348	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	8,352	538	19	10	8	8	6	0	0	4	29	0	0	0
	Oct	8,442	520	2	0	3	0	0	0	2	3	49	0	0	0
	Nov	2,737	218	0	0	4	0	0	0	0	10	12	0	0	0
	Dec	109	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	28,491	1,276	21	10	15	8	6	0	2	17	90	0	0	0
1988	Apr	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	12	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	136	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	8,788	125	88	15	0	0	0	0	0	0	0	0	0	0
	Aug	7,344	147	176	20	24	0	0	0	0	0	0	0	0	0
	Sep	5,950	161	5	55	0	0	0	0	0	0	0	0	0	0
	Oct	4,534	112	0	7	40	0	0	0	0	0	23	0	0	0
	Nov	344	53	0	0	0	0	0	0	0	0	0	0	0	0
	Dec	35	2	0	0	0	0	0	0	0	0	0	0	0	0
	Total	27,143	600	269	97	64	0	0	0	0	0	23	0	0	0

a. Angler effort during the unsurveyed months was estimated from the Englebrich's Bar mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 18e. Estimated release by species and month at Englebrich Bar in the 1985-88 lower Fraser River sport fishery.

		Release a												
		Chinook		Coho										
Year	Month	Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon	Un-known
1985	Sep	0	0	0	0	368	0	0	5	0	0	0	5	0
	Oct	0	0	0	0	1,003	0	0	0	0	0	0	0	0
	Nov	0	0	0	0	3	0	12	0	3	0	0	0	0
	Total	0	0	0	0	1,374	0	12	5	3	0	0	5	0
1986	May	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jun	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	19	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	2	2	0	0	0	2	0	0	0	0	0	0	2
	Sep	0	9	0	0	0	0	0	0	0	0	0	0	0
	Oct	0	0	0	0	0	0	0	0	14	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	21	11	0	0	0	2	0	0	14	0	0	0	2
1987	Sep	4	0	0	0	57	0	0	0	6	0	0	0	0
	Oct	0	0	0	0	35	0	0	0	3	0	0	0	0
	Nov	0	0	0	0	0	0	3	0	0	0	0	0	0
	Total	4	0	0	0	92	0	3	0	9	0	0	0	0
1988	Jul	14	0	0	0	0	0	0	0	0	0	0	0	0
	Aug	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sep	0	2	0	0	0	0	0	0	0	0	0	0	0
	Oct	0	0	0	0	0	0	3	0	10	0	0	0	0
	Nov	0	0	0	0	0	0	3	0	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	14	2	0	0	0	0	6	0	10	0	0	0	0

a. Release was estimated only during months when a surveyor was stationed at the bar.

Appendix 18f. Mean proportion of daily angler effort per hour, by month and day type, at Englebrich Bar in the 1985-88 lower Fraser River sport fishery.

Day type	Hour	1985			1986						1987		
		Sep	Oct	Nov	May	Jul	Aug	Sep	Oct	Nov	Sep	Oct	Nov
Weekday	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.2%	0.7%	0.0%	0.0%	0.0%	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
	6:00	2.1%	2.0%	0.0%	0.0%	0.6%	0.2%	1.3%	0.0%	0.0%	0.6%	0.8%	0.6%
	7:00	5.0%	3.9%	0.0%	0.0%	1.2%	0.4%	3.5%	0.0%	0.0%	2.1%	2.5%	3.2%
	8:00	7.3%	6.0%	2.1%	0.0%	1.7%	1.6%	5.2%	3.0%	0.0%	5.3%	5.2%	6.8%
	9:00	8.8%	7.0%	4.4%	0.0%	3.7%	4.5%	7.8%	6.3%	3.5%	7.1%	8.6%	10.4%
	10:00	9.4%	7.4%	9.4%	0.0%	8.7%	7.5%	9.5%	9.6%	10.6%	8.8%	9.1%	12.8%
	11:00	9.6%	9.3%	13.1%	0.0%	9.5%	8.9%	10.2%	11.5%	14.2%	10.1%	9.5%	11.3%
	12:00	7.7%	9.6%	14.5%	2.9%	9.5%	12.0%	9.5%	9.4%	12.4%	9.5%	8.8%	12.1%
	13:00	8.6%	9.1%	14.1%	8.6%	11.6%	12.4%	9.9%	11.4%	17.7%	9.6%	9.0%	11.5%
	14:00	9.0%	8.1%	13.7%	8.6%	11.1%	10.5%	9.7%	12.9%	21.2%	9.0%	8.2%	9.7%
	15:00	8.4%	7.4%	12.3%	11.5%	10.1%	7.8%	8.9%	12.7%	16.8%	8.2%	7.2%	9.8%
	16:00	7.3%	9.3%	10.2%	25.2%	11.1%	9.9%	6.0%	11.7%	3.5%	6.8%	7.6%	6.5%
	17:00	5.1%	7.6%	6.0%	21.6%	9.1%	7.4%	4.7%	5.6%	0.0%	5.3%	6.6%	4.8%
	18:00	3.9%	6.5%	0.0%	10.8%	5.8%	7.4%	5.1%	3.8%	0.0%	5.3%	6.5%	0.5%
	19:00	3.7%	4.7%	0.0%	7.2%	2.5%	4.6%	5.0%	1.9%	0.0%	4.6%	5.9%	0.0%
	20:00	3.0%	1.1%	0.0%	3.6%	2.1%	3.0%	3.0%	0.3%	0.0%	4.2%	3.3%	0.0%
	21:00	0.7%	0.0%	0.0%	0.0%	1.2%	1.3%	0.5%	0.0%	0.0%	2.5%	1.2%	0.0%
	22:00	0.1%	0.0%	0.0%	0.0%	0.5%	0.4%	0.0%	0.0%	0.0%	0.8%	0.1%	0.0%
	23:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	24:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Weekend	2:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.2%	2.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
	6:00	2.5%	5.3%	0.0%	0.0%	0.0%	0.2%	2.3%	0.4%	0.0%	1.2%	0.7%	0.2%
	7:00	6.6%	8.4%	0.0%	0.0%	2.2%	0.6%	5.2%	2.0%	0.0%	3.1%	2.7%	2.1%
	8:00	8.8%	9.4%	5.4%	0.0%	4.4%	1.9%	7.0%	4.5%	0.0%	4.2%	5.6%	6.7%
	9:00	9.8%	10.0%	7.9%	0.0%	5.6%	7.4%	7.5%	6.4%	7.3%	6.1%	6.7%	11.4%
	10:00	10.3%	10.3%	11.3%	0.0%	7.5%	9.3%	8.9%	9.2%	12.7%	8.0%	9.0%	11.9%
	11:00	11.1%	8.5%	15.8%	10.9%	7.8%	10.5%	8.7%	9.6%	14.5%	9.0%	9.4%	12.3%
	12:00	8.6%	8.3%	14.7%	4.4%	7.0%	7.9%	9.7%	12.4%	12.7%	8.3%	11.2%	12.1%
	13:00	8.6%	7.5%	12.4%	13.1%	13.2%	8.4%	9.8%	11.4%	10.9%	9.2%	10.3%	10.9%
	14:00	8.2%	7.6%	13.2%	13.1%	12.5%	11.5%	10.0%	11.5%	14.5%	8.8%	9.2%	11.2%
	15:00	8.2%	6.9%	13.2%	21.9%	11.0%	11.3%	9.5%	10.4%	14.5%	8.0%	8.1%	9.8%
	16:00	6.6%	5.6%	4.0%	14.6%	12.8%	9.4%	6.7%	11.1%	12.7%	8.9%	6.8%	6.1%
	17:00	4.8%	4.4%	2.0%	14.6%	8.1%	5.9%	5.3%	7.0%	0.0%	8.0%	5.8%	4.2%
	18:00	2.5%	3.0%	0.0%	7.3%	4.8%	4.6%	4.7%	3.3%	0.0%	6.1%	5.7%	1.1%
	19:00	1.8%	2.1%	0.0%	0.0%	1.9%	4.3%	2.7%	0.8%	0.0%	4.3%	4.9%	0.0%
	20:00	1.2%	0.4%	0.0%	0.0%	1.2%	4.8%	1.6%	0.0%	0.0%	3.9%	3.0%	0.0%
	21:00	0.2%	0.0%	0.0%	0.0%	0.0%	1.8%	0.2%	0.0%	0.0%	2.3%	0.9%	0.0%
	22:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.6%	0.1%	0.0%
	23:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Continued

Appendix 18f. Mean proportion of daily angler effort per hour, by month and day type, at Englebrich Bar in the 1985-88 lower Fraser River sport fishery, continued.

Day type	Hour	1988 Jul	Aug	Sep	Oct	Nov
Weekday	3:00	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.0%	0.0%	0.0%	0.1%	0.0%
	6:00	3.5%	0.5%	0.5%	0.3%	0.0%
	7:00	8.4%	1.2%	1.7%	2.4%	10.3%
	8:00	8.4%	5.4%	4.4%	3.9%	5.2%
	9:00	8.4%	7.5%	5.4%	4.9%	8.2%
	10:00	8.4%	8.5%	6.1%	5.9%	12.4%
	11:00	8.4%	9.2%	7.1%	11.1%	19.6%
	12:00	6.6%	10.1%	7.4%	11.1%	17.5%
	13:00	7.7%	9.8%	7.5%	11.6%	11.3%
	14:00	7.7%	9.8%	9.1%	10.9%	8.2%
	15:00	7.3%	5.8%	7.9%	8.3%	7.2%
	16:00	7.7%	4.0%	10.8%	10.0%	0.0%
	17:00	5.5%	5.7%	9.1%	8.1%	0.0%
	18:00	4.8%	5.9%	8.5%	6.1%	0.0%
	19:00	2.6%	5.7%	6.8%	4.9%	0.0%
	20:00	1.8%	4.7%	6.8%	0.6%	0.0%
	21:00	1.8%	4.9%	1.0%	0.0%	0.0%
	22:00	0.9%	1.3%	0.0%	0.0%	0.0%
	23:00	0.0%	0.0%	0.0%	0.0%	0.0%
	24:00	0.0%	0.0%	0.0%	0.0%	0.0%
Weekend	2:00	0.0%	0.0%	0.0%	0.0%	0.0%
	3:00	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.5%	0.0%	0.0%	0.4%	0.0%
	6:00	3.7%	0.3%	2.1%	2.2%	0.0%
	7:00	6.6%	0.6%	4.7%	7.0%	0.0%
	8:00	7.4%	1.9%	7.3%	7.8%	2.7%
	9:00	8.3%	2.2%	6.3%	8.6%	6.8%
	10:00	8.3%	2.2%	6.9%	9.7%	14.9%
	11:00	14.9%	2.2%	9.3%	9.4%	16.2%
	12:00	14.9%	2.2%	9.3%	10.1%	20.3%
	13:00	9.9%	6.5%	9.3%	10.5%	10.8%
	14:00	9.9%	6.5%	9.1%	9.7%	12.2%
	15:00	7.4%	6.5%	13.2%	9.0%	5.4%
	16:00	3.3%	13.8%	9.2%	5.1%	9.0%
	17:00	2.5%	12.5%	5.4%	4.7%	1.8%
	18:00	1.2%	12.2%	4.1%	3.1%	0.0%
	19:00	1.2%	10.2%	2.6%	2.7%	0.0%
	20:00	0.0%	10.2%	0.9%	0.0%	0.0%
	21:00	0.0%	7.7%	0.2%	0.0%	0.0%
	22:00	0.0%	2.0%	0.0%	0.0%	0.0%
	23:00	0.0%	0.0%	0.0%	0.0%	0.0%

Appendix 19a. Interview responses by month at Grassy Bank Bar in the 1985-87 lower Fraser River sport fishery.

	1985		1986			1987		
	Nov	Total	Nov	Dec	Total	Apr	Dec	Total
Number of Interviews	52	52	55	46	101	15	23	38
Mean Angler Day Length (hr.)								
- All anglers	4.7	4.7	3.7	5.1	4.3	5.8	3.6	4.5
- Complete trip interviews								
Number	40	40	43	38	81	13	22	35
Hours	4.3	4.3	3.5	5.0	4.2	5.3	3.5	4.2
- Incomplete trip interviews								
Number	12	12	12	8	20	2	1	3
Hours	5.9	5.9	4.5	5.1	4.7	7.5	7.0	7.3
Mean number of anglers per party	1.6	1.6	1.3	1.9	1.6	1.5	1.6	1.6
Target Species								
- Coho	30	30	-	-	0	-	-	0
- Steelhead	6	6	-	-	0	-	1	1
- Cutthroat	3	3	-	-	0	1	10	11
- Sturgeon	-	0	-	-	0	-	1	1
- Anything	12	12	55	46	101	14	11	25
Harvested Catch								
- Chinook	-	0	-	-	0	1	-	1
- Coho	3	3	9	9	18	-	-	0
- Coho jack	1	1	1	-	1	-	-	0
- Steelhead	1	1	-	-	0	-	-	0
- Cutthroat	1	1	6	6	12	2	2	4
- Dolly Varden	-	0	-	2	2	-	1	1
Released Catch								
- Chum	-	0	1	-	1	-	-	0
- Cutthroat	-	0	2	2	4	-	2	2
- Unknown	-	0	-	-	0	1	-	1
Inspection of Catch								
- Number	4	4	10	5	15	1	3	4
- Number correct	4	4	10	5	15	1	3	4
Gear								
- Bait	6	6	15	10	25	10	0	10
- Lure	31	31	29	34	63	1	0	1
- Bait/Lure	15	15	11	2	13	3	0	3
- Fly	0	0	0	0	0	1	0	1
In B.C. for Expo-86	-	-	0	0	0	-	-	-

Appendix 19b. Angler effort, number of interviews and estimated harvest by species and month at Grassy Bank Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b											
				Chinook		Coho			Sockeye	Chum	Cutthroat	Steelhead	Rainbow	Dolly Varden	Sturgeon
				Adult	Jack	Adult	Jack	Pink							
1985	Sep	9,324	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	4,533	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	616	52	0	0	7	2	0	0	0	3	2	0	0	0
	Total	14,473	52	0	0	7	2	0	0	0	3	2	0	0	0
1986	May	370	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	96	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	700	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	5,587	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	7,270	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	1,515	55	0	0	77	6	0	0	0	41	0	0	0	0
	Dec	1,001	46	0	0	47	0	0	0	0	24	0	0	7	0
	Total	16,539	101	0	0	124	6	0	0	0	65	0	0	7	0
1987	Mar	613	0	-	-	-	-	-	-	-	-	-	-	-	-
	Apr	493	15	5	0	0	0	0	0	0	25	0	0	0	0
	May	208	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	90	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	212	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	859	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	4,826	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	2,791	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	545	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	49	23	0	0	0	0	0	0	0	3	0	0	2	0
	Total	10,685	38	5	0	0	0	0	0	0	28	0	0	2	0
1988	Apr	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	618	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	131	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	380	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	3,119	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	4,374	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	638	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	127	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	9,388	0	-	-	-	-	-	-	-	-	-	-	-	-

a. Angler effort during the unsurveyed months was estimated from the Grassy Bank Bar mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 19c. Estimated release by species and month at Grassy Bank Bar in the 1985-87 lower Fraser River sport fishery.

		Release a												
		Chinook		Coho										
Year	Month	Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon	Un-known
1985	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Nov	0	0	0	0	0	0	19	12	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	7	0	0	0	0	0
1987	Apr	0	0	0	0	0	0	0	0	0	0	0	0	3
	Dec	0	0	0	0	0	0	0	3	0	0	0	0	0

a. Release was estimated only during months when a surveyor was stationed at the bar.

Appendix 19d. Estimated harvest, by month, species and mark type, at Grassy Bank Bar in the 1985-87 lower Fraser River sport fishery. a

		Coho adult				Coho jack
Year	Month	AFC	LPC	RPC	AFC/ LPC	AFC
1985	Nov	2	0	0	0	0
1986	Nov	0	32	0	0	6
	Dec	0	5	5	5	0
1987	Apr	0	0	0	0	0
	Dec	0	0	0	0	0

a. Abbreviations are: AFC - adipose fin clip;
LPC, RPC - left or right pelvic fin clip;

Appendix 19e. Mean proportion of daily angler effort per hour, by month and day type, at Grassy Bank Bar in the 1985-87 lower Fraser River sport fishery.

Day type	Hour	1985	1986		1987	
		Nov	Nov	Dec	Apr	Dec
Weekday	3:00	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.0%	0.0%	0.0%	0.0%	0.0%
	6:00	0.0%	0.0%	0.0%	0.0%	1.4%
	7:00	5.3%	4.7%	2.2%	0.0%	2.9%
	8:00	10.7%	11.4%	5.1%	0.0%	2.9%
	9:00	12.4%	10.4%	12.9%	10.7%	5.8%
	10:00	10.7%	10.4%	14.6%	10.7%	5.8%
	11:00	12.4%	9.7%	17.2%	10.7%	14.5%
	12:00	11.5%	9.7%	17.2%	10.7%	20.3%
	13:00	8.9%	11.1%	15.4%	10.7%	23.2%
	14:00	7.1%	10.4%	9.4%	10.7%	17.4%
	15:00	8.9%	7.6%	6.0%	3.6%	2.9%
	16:00	5.3%	6.2%	0.0%	10.7%	2.9%
	17:00	5.3%	8.3%	0.0%	10.7%	0.0%
	18:00	1.4%	0.0%	0.0%	10.7%	0.0%
	19:00	0.0%	0.0%	0.0%	0.0%	0.0%
	20:00	0.0%	0.0%	0.0%	0.0%	0.0%
	21:00	0.0%	0.0%	0.0%	0.0%	0.0%
	22:00	0.0%	0.0%	0.0%	0.0%	0.0%
	23:00	0.0%	0.0%	0.0%	0.0%	0.0%
	24:00	0.0%	0.0%	0.0%	0.0%	0.0%
Weekend	2:00	0.0%	0.0%	0.0%	0.0%	0.0%
	3:00	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.0%	0.0%	0.0%	0.0%	0.0%
	6:00	1.4%	1.1%	1.3%	0.0%	0.0%
	7:00	6.9%	7.4%	5.7%	0.0%	0.0%
	8:00	19.6%	14.2%	9.6%	0.0%	0.0%
	9:00	18.0%	13.2%	12.2%	3.8%	5.1%
	10:00	15.7%	12.2%	12.2%	3.8%	13.7%
	11:00	15.7%	11.2%	13.9%	7.6%	20.6%
	12:00	9.4%	9.2%	13.9%	7.6%	20.6%
	13:00	5.5%	10.2%	12.2%	10.1%	17.1%
	14:00	4.7%	7.1%	9.6%	12.7%	13.7%
	15:00	3.1%	7.1%	6.1%	12.7%	6.9%
	16:00	0.0%	7.1%	3.5%	13.3%	1.7%
	17:00	0.0%	0.0%	0.0%	13.3%	0.6%
	18:00	0.0%	0.0%	0.0%	9.5%	0.0%
	19:00	0.0%	0.0%	0.0%	5.7%	0.0%
	20:00	0.0%	0.0%	0.0%	0.0%	0.0%
	21:00	0.0%	0.0%	0.0%	0.0%	0.0%
	22:00	0.0%	0.0%	0.0%	0.0%	0.0%
	23:00	0.0%	0.0%	0.0%	0.0%	0.0%

Appendix 20a. Interview responses by month at Hepner's Bar in the 1985 lower Fraser River sport fishery.

	Sep	Total
Number of Interviews	28	28
Mean Angler Day Length (hr.)		
- All anglers	6.2	6.2
- Complete trip interviews		
Number	28	28
Hours	6.2	6.2
- Incomplete trip interviews		
Number	0	0
Hours	-	-
Mean number of anglers per party	1.7	1.7
Target Species		
- Chinook	2	2
- Coho	9	9
- Steelhead	4	4
- Anything	13	13
Harvested Catch		
- Coho jack	2	2
Released Catch		
- Pink	1	1
Inspection of Catch		
- Number	2	2
- Number correct	2	2
Gear		
- Bait	1	1
- Lure	21	21
- Bait/Lure	6	6

Appendix 20b. Angler effort, number of interviews and estimated harvest by species and month at Hepner's Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b											
				Chinook		Coho									
				Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon
1985	Sep	1,211	28	0	0	0	20	0	0	0	0	0	0	0	0
	Oct	489	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	97	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	1,797	28	0	0	0	20	0	0	0	0	0	0	0	0
1986	May	185	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	50	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	344	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	1,393	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	852	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	2,824	0	-	-	-	-	-	-	-	-	-	-	-	-
1987	Mar	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Apr	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	106	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	530	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	728	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	2,270	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	91	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	3,726	0	-	-	-	-	-	-	-	-	-	-	-	-
1988	Apr	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	442	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	634	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	1,017	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	556	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	2,649	0	-	-	-	-	-	-	-	-	-	-	-	-

a. Angler effort during the unsurveyed months was estimated from the Hepner's Bar mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 20c. Estimated release by species and month at Hepner's Bar in the 1985 lower Fraser River sport fishery.

		Release a												
		Chinook		Coho										
Year	Month	Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon	Un-known
1985	Sep	0	0	0	0	20	0	0	0	0	0	0	0	0

a. Release was estimated only during months when a surveyor was stationed at the bar.

Appendix 20d. Mean proportion of daily angler effort per hour, by month and day type, at Hepner's Bar in the 1985 lower Fraser River sport fishery.

	September
Hour	Weekday
3:00	0.0%
4:00	0.0%
5:00	0.0%
6:00	0.0%
7:00	0.0%
8:00	12.9%
9:00	18.1%
10:00	18.1%
11:00	18.1%
12:00	9.4%
13:00	8.4%
14:00	6.8%
15:00	2.6%
16:00	1.9%
17:00	0.0%
18:00	1.3%
19:00	1.3%
20:00	1.3%
21:00	0.0%
22:00	0.0%
23:00	0.0%
24:00	0.0%

Appendix 21a. Interview responses by month at Queen's Island Bar in the 1986-87 lower Fraser River sport fishery.

	1986		1987						
	Dec	Total	Mar	Apr	May	Jun	Jul	Aug	Total
Number of Interviews	3	3	16	7	40	106	518	470	1,157
Mean Angler Day Length (hr.)									
- All anglers	7.0	7.0	3.5	5.9	6.1	7.8	6.6	5.3	6.1
- Complete trip interviews									
Number	1	1	15	5	31	61	435	379	926
Hours	3.0	3.0	3.4	2.2	4.2	4.1	6.1	4.7	5.3
- Incomplete trip interviews									
Number	2	2	1	2	9	45	83	91	231
Hours	9.0	9.0	5.0	15.0	12.6	12.8	9.3	8.2	9.7
Mean number of anglers per party	1.7	1.7	1.0	1.2	2.0	6.1	2.1	1.6	2.2
Target Species									
- Chinook	-	0	-	-	-	-	-	10	10
- Coho	-	0	-	-	-	-	-	3	3
- Anything	3	3	16	7	40	106	518	457	1,144
Harvested Catch									
- Chinook	-	0	-	-	-	11	103	4	118
- Chinook jack	-	0	-	-	2	1	11	-	14
- Coho jack	-	0	-	-	-	-	-	4	4
- Sockeye	-	0	-	-	-	-	1	-	1
Released Catch									
- Chinook	-	0	-	-	-	4	-	-	4
Inspection of Catch									
- Number	0	0	0	0	1	4	64	8	77
- Number correct	-	-	-	-	1	4	64	8	77
Gear									
- Bait	0	0	3	0	0	4	6	14	27
- Lure	2	2	10	3	14	90	471	378	966
- Bait/Lure	1	1	3	4	26	12	41	78	164
In B.C. for Expo-86	0	0	-	-	-	-	-	-	-

Appendix 21b. Interview responses by month at Queen's Island Bar in the 1988 lower Fraser River sport fishery.

	Jun	Jul	Aug	Sep	Total
Number of interviews	8	321	15	85	429
Mean Angler Day Length (hr.)					
- All anglers	6.0	10.6	7.7	7.5	9.8
- Complete trip interviews					
Number	8	208	7	27	250
Hours	6.0	8.6	6.3	6.4	8.2
- Incomplete trip interviews					
Number	0	113	8	58	179
Hours	-	14.3	9.0	8.0	12.0
Mean number of anglers in party	2.2	3.2	1.6	2.8	3.0
Target Species					
- Anything	8	321	15	85	429
Harvested Catch					
- Chinook	-	66	1	3	70
- Chinook jack	-	7	1	19	27
- Coho	-	-	-	2	2
- Steelhead	-	-	-	1	1
- Dolly Varden	-	-	-	1	1
Released Catch					
- Chinook	5	5	-	-	10
- Sockeye	-	1	-	-	1
- Chum	-	-	-	1	1
Inspection of Catch					
- Number	0	72	2	22	96
- Number correct	-	72	2	22	96
Gear					
- Bait	2	0	0	1	3
- Lure	6	319	12	68	405
- Bait/Lure	0	2	3	16	21

Appendix 21c. Angler effort, number of interviews and estimated harvest by species and month at Queen's Island Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b											
				Chinook		Coho			Sockeye						
				Adult	Jack	Adult	Jack	Pink		Chum	Cutthroat	Steelhead	Rainbow	Dolly Varden	Sturgeon
1985	Sep	15,530	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	7,380	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	22,911	0	-	-	-	-	-	-	-	-	-	-	-	-
1986	May	1,111	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	624	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	5,798	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	7,196	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	6,625	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	6,714	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	853	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	185	3	0	0	0	0	0	0	0	0	0	0	0	0
	Total	29,106	3	0	0	0	0	0	0	0	0	0	0	0	0
1987	Mar	363	16	0	0	0	0	0	0	0	0	0	0	0	0
	Apr	163	7	0	0	0	0	0	0	0	0	0	0	0	0
	May	1,107	40	0	14	0	0	0	0	0	0	0	0	0	0
	Jun	2,481	106	42	2	0	0	0	0	0	0	0	0	0	0
	Jul	12,208	518	503	47	0	0	0	7	0	0	0	0	0	0
	Aug	4,913	470	9	0	0	7	0	0	0	0	0	0	0	0
	Sep	4,847	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	3,165	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	945	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	30,193	1,157	554	63	0	7	0	7	0	0	0	0	0	0
1988	Apr	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	433	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	137	8	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	8,469	321	194	24	0	0	0	0	0	0	0	0	0	0
	Aug	455	15	5	5	0	0	0	0	0	0	0	0	0	0
	Sep	2,790	85	10	92	8	0	0	0	0	0	4	0	2	0
	Oct	5,339	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	403	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	66	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	18,093	429	209	121	8	0	0	0	0	0	4	0	2	0

a. Angler effort during the unsurveyed months was estimated from the Queen's Island Bar mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 21d. Estimated release by species and month at Queen's Island Bar in the 1986-88 lower Fraser River sport fishery.

		Release a												
		Chinook		Coho										
Year	Month	Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon	Un-known
1986	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Mar	0	0	0	0	0	0	0	0	0	0	0	0	0
	Apr	0	0	0	0	0	0	0	0	0	0	0	0	0
	May	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jun	14	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	0	0	0	0	0	0	0	0	0	0	0	1	0
	Aug	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Jun	16	0	0	0	0	0	0	0	0	0	0	0	0
	Jul	11	0	0	0	0	2	0	0	0	0	0	0	0
	Aug	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sep	0	0	0	0	0	0	2	0	0	0	0	0	0

a. Release was estimated only during months when a surveyor was stationed at the bar.

Appendix 21e. Estimated harvest, by month, species and mark type, at Queen's Island Bar in the 1986-88 lower Fraser River sport fishery. a

Year	Month	Chinook adult AFC	Steel-head AFC
1986	Dec	0	0
1987	Mar	0	0
	Apr	0	0
	May	0	0
	Jun	0	0
	Jul	23	0
	Aug	0	0
1988	Jun	0	0
	Jul	0	0
	Aug	0	0
	Sep	0	4

a. Abbreviations are: AFC - adipose fin clip;

Appendix 21f. Mean proportion of daily angler effort per hour, by month and day type, at Queen's Island Bar in the 1986-88 lower Fraser River sport fishery.

Day type	Hour	1986	1987				1988		
		Dec	May	Jun	Jul	Aug	Jul	Aug	Sep
Weekday	3:00	0.0%	0.0%	1.8%	0.3%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	1.2%	0.1%	0.0%	0.0%	0.0%	0.0%
	5:00	0.0%	0.0%	2.3%	0.3%	0.1%	0.0%	0.0%	0.0%
	6:00	0.0%	0.0%	2.8%	0.7%	0.8%	1.6%	0.0%	1.0%
	7:00	0.0%	0.0%	3.3%	1.5%	1.7%	3.3%	5.9%	4.1%
	8:00	0.0%	0.0%	5.3%	3.3%	3.7%	7.4%	11.8%	4.9%
	9:00	0.0%	0.0%	8.6%	5.7%	8.5%	7.0%	11.8%	9.0%
	10:00	0.0%	0.0%	10.6%	7.9%	11.1%	6.4%	11.8%	11.5%
	11:00	0.0%	0.0%	10.6%	8.9%	11.8%	5.7%	11.8%	13.5%
	12:00	0.0%	0.0%	10.6%	8.9%	11.3%	4.7%	11.8%	12.1%
	13:00	0.0%	15.4%	5.1%	9.3%	8.6%	10.8%	11.8%	10.8%
	14:00	0.0%	15.4%	3.1%	7.9%	7.9%	9.8%	11.8%	11.1%
	15:00	0.0%	15.4%	4.0%	7.3%	7.0%	8.8%	11.8%	10.5%
	16:00	0.0%	26.9%	2.0%	7.3%	6.9%	12.6%	0.0%	4.9%
	17:00	0.0%	15.4%	3.0%	7.1%	5.4%	8.8%	0.0%	1.6%
	18:00	0.0%	11.5%	3.5%	6.1%	4.2%	6.8%	0.0%	1.6%
	19:00	0.0%	0.0%	3.5%	5.1%	4.6%	4.8%	0.0%	1.6%
	20:00	0.0%	0.0%	3.5%	5.1%	2.5%	1.8%	0.0%	1.6%
	21:00	0.0%	0.0%	4.5%	4.5%	2.3%	0.0%	0.0%	0.0%
	22:00	0.0%	0.0%	4.5%	2.0%	1.3%	0.0%	0.0%	0.0%
	23:00	0.0%	0.0%	4.1%	0.5%	0.4%	0.0%	0.0%	0.0%
	24:00	0.0%	0.0%	1.9%	0.2%	0.0%	0.0%	0.0%	0.0%
Weekend	2:00	0.0%	0.0%	0.8%	2.0%	0.2%	0.0%	0.0%	0.0%
	3:00	0.0%	0.0%	0.4%	1.1%	0.1%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.4%	1.2%	0.1%	0.0%	0.0%	0.0%
	5:00	0.0%	0.0%	0.5%	1.7%	0.3%	0.0%	0.0%	0.0%
	6:00	0.0%	0.0%	1.1%	3.0%	0.8%	0.0%	2.7%	1.3%
	7:00	0.0%	0.0%	1.6%	4.7%	1.5%	0.0%	7.1%	3.0%
	8:00	0.0%	0.0%	2.7%	6.6%	2.7%	4.2%	11.5%	3.0%
	9:00	11.1%	0.0%	2.7%	7.8%	4.7%	4.2%	12.4%	7.1%
	10:00	11.1%	8.4%	4.7%	8.8%	6.6%	4.2%	13.3%	8.7%
	11:00	16.7%	8.4%	5.4%	9.0%	8.6%	4.2%	12.4%	9.4%
	12:00	16.7%	3.4%	7.4%	9.2%	6.8%	3.6%	12.4%	10.1%
	13:00	11.1%	7.4%	10.1%	8.2%	8.2%	10.2%	10.6%	12.1%
	14:00	11.1%	9.4%	9.5%	7.8%	8.0%	9.6%	7.1%	10.6%
	15:00	11.1%	13.5%	9.3%	6.8%	8.7%	8.9%	7.1%	9.6%
	16:00	11.1%	17.9%	8.6%	5.3%	9.4%	11.7%	3.3%	5.0%
	17:00	0.0%	15.7%	7.0%	4.1%	7.5%	10.8%	0.0%	5.0%
	18:00	0.0%	4.5%	6.6%	3.0%	7.3%	9.9%	0.0%	5.0%
	19:00	0.0%	4.5%	5.4%	2.5%	7.1%	8.4%	0.0%	5.0%
	20:00	0.0%	2.2%	4.7%	2.3%	5.4%	5.8%	0.0%	5.0%
	21:00	0.0%	1.7%	4.3%	2.1%	3.9%	3.8%	0.0%	0.0%
	22:00	0.0%	1.2%	3.6%	1.4%	2.0%	0.4%	0.0%	0.0%
	23:00	0.0%	1.2%	3.2%	1.6%	0.4%	0.0%	0.0%	0.0%

Appendix 22a. Interview responses by month at the Sumas River mouth in the 1987 lower Fraser River sport fishery.

	Apr	May	Jun	Aug	Total
Number of Interviews	58	26	43	46	173
Mean Angler Day Length (hr.)					
- All anglers	6.1	3.2	5.8	5.9	5.5
- Complete trip interviews					
Number	27	21	30	15	93
Hours	4.2	1.7	4.1	3.0	3.4
- Incomplete trip interviews					
Number	31	5	13	31	80
Hours	7.8	9.6	9.8	7.3	8.0
Mean number of anglers per party	1.8	2.1	2.0	2.0	1.9
Target Species					
- Chinook	-	-	-	9	9
- Chinook jack	-	-	-	12	12
- Coho	-	-	-	18	18
- Coho jack	-	-	-	1	1
- Steelhead	3	-	-	2	5
- Anything	55	-	43	4	102
Harvested Catch					
- Chinook	-	-	2	-	2
- Chinook jack	-	-	1	3	4
- Coho	-	-	-	2	2
- Steelhead	-	-	2	-	2
- Rainbow	1	-	-	-	1
- Cutthroat	8	-	14	41	63
- Dolly Varden	1	-	-	-	1
Released Catch					
- Rainbow	-	1	8	-	9
- Cutthroat	-	-	26	29	55
- Sturgeon	-	1	-	-	1
Inspection of Catch					
- Number	7	0	0	40	47
- Number correct	7	-	-	40	47
Gear					
- Bait	0	12	6	12	30
- Lure	24	4	17	16	61
- Bait/Lure	33	10	18	18	79
- Fly	1	0	2	0	3

Appendix 22b. Angler effort, number of interviews and estimated harvest by species and month at the Sumas River mouth in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b											
				Chinook		Coho									
				Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon
1985	Sep	7,529	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	6,902	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	706	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	15,137	0	-	-	-	-	-	-	-	-	-	-	-	-
1986	May	965	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	149	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	469	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	1,273	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	6,818	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	13,424	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	2,802	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	833	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	26,733	0	-	-	-	-	-	-	-	-	-	-	-	-
1987	Mar	1,097	0	-	-	-	-	-	-	-	-	-	-	-	-
	Apr	1,779	58	0	0	0	0	0	0	0	57	0	10	3	0
	May	207	26	0	0	0	0	0	0	0	0	0	0	0	0
	Jun	1,030	43	15	4	0	0	0	0	0	48	8	0	0	0
	Jul	2,890	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	1,393	46	0	18	7	0	0	0	0	346	0	0	0	0
	Sep	5,319	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	11,503	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	3,277	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	109	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	28,603	173	15	22	7	0	0	0	0	451	8	10	3	0
1988	Apr	495	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	556	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	643	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	3,535	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	3,424	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	3,588	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	8,576	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	385	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	397	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	21,599	0	-	-	-	-	-	-	-	-	-	-	-	-

a. Angler effort during the unsurveyed months was estimated from the Sumas River mouth mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 22c. Estimated release by species and month at the Sumas River mouth in the 1987 lower Fraser River sport fishery.

		Release a												
		Chinook		Coho										
Year	Month	Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon	Un-known
1987	Apr	0	0	0	0	0	0	0	0	0	0	0	0	0
	May	0	0	0	0	0	0	0	0	0	2	0	4	0
	Jun	0	0	0	0	0	0	0	121	0	32	0	0	0
	Aug	0	0	0	0	0	0	0	369	0	0	0	0	0

a. Release was estimated only during months when a surveyor was stationed at the bar.

Appendix 22d. Estimated harvest, by month, species and mark type, at the Sumas River mouth in the 1987 lower Fraser River sport fishery. a

		Steel-head	Cutthroat		
Year	Month	AFC	AFC	LMC	RMC
1987	Apr	0	3	0	10
	May	0	0	0	0
	Jun	8	33	0	0
	Aug	0	55	7	65

a. Abbreviations are: AFC - adipose fin clip;
LMC, RMC - left or right maxillary clip.

Appendix 22e. Mean proportion of daily angler effort per hour, by month and day type, at the Sumas River mouth in the 1987 lower Fraser River sport fishery.

Day type	Hour	1987 Apr	May	Jun	Aug
Weekday	3:00	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%
	5:00	0.0%	0.0%	0.0%	0.0%
	6:00	0.9%	0.0%	0.0%	0.0%
	7:00	2.3%	0.0%	0.0%	0.0%
	8:00	2.3%	0.0%	0.0%	0.9%
	9:00	8.0%	0.0%	2.6%	7.5%
	10:00	8.0%	10.9%	7.8%	8.5%
	11:00	7.6%	10.9%	7.8%	8.5%
	12:00	13.7%	0.0%	7.8%	9.4%
	13:00	14.5%	0.0%	7.2%	9.4%
	14:00	12.2%	13.0%	7.2%	8.2%
	15:00	8.4%	0.0%	6.5%	8.2%
	16:00	4.6%	32.6%	11.7%	11.3%
	17:00	4.6%	16.3%	11.7%	5.6%
	18:00	4.6%	16.3%	11.7%	5.6%
	19:00	2.3%	0.0%	11.7%	5.6%
	20:00	1.7%	0.0%	2.6%	5.6%
	21:00	1.7%	0.0%	2.6%	5.6%
	22:00	1.7%	0.0%	1.0%	0.0%
	23:00	0.9%	0.0%	0.0%	0.0%
	24:00	0.0%	0.0%	0.0%	0.0%
Weekend	2:00	0.0%	0.0%	0.0%	0.0%
	3:00	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%
	5:00	0.0%	0.0%	0.0%	0.1%
	6:00	0.0%	0.0%	0.0%	0.2%
	7:00	0.0%	0.0%	0.0%	0.6%
	8:00	0.0%	0.0%	0.0%	0.6%
	9:00	5.4%	24.6%	1.4%	2.4%
	10:00	8.6%	12.3%	4.2%	5.5%
	11:00	7.2%	15.4%	4.2%	5.5%
	12:00	8.6%	9.2%	4.2%	5.5%
	13:00	15.1%	13.8%	10.5%	10.6%
	14:00	18.7%	13.8%	9.8%	10.6%
	15:00	14.4%	10.8%	7.0%	13.4%
	16:00	8.6%	0.0%	14.0%	7.3%
	17:00	6.5%	0.0%	14.0%	8.5%
	18:00	2.2%	0.0%	11.2%	11.0%
	19:00	2.2%	0.0%	5.6%	8.5%
	20:00	1.6%	0.0%	5.6%	6.1%
	21:00	0.8%	0.0%	5.6%	3.7%
	22:00	0.0%	0.0%	2.8%	0.0%
	23:00	0.0%	0.0%	0.0%	0.0%

Appendix 23a. Interview responses by month at Wing Dam Bar in the 1985 lower Fraser River sport fishery.

	Sep	Oct	Nov	Total
Number of Interviews	411	198	80	689
Mean Angler Day Length (hr.)				
- All anglers	11.5	9.1	6.0	10.2
- Complete trip interviews				
Number	102	80	50	232
Hours	10.0	6.8	5.2	7.9
- Incomplete trip interviews				
Number	309	118	30	457
Hours	12.1	10.7	7.2	11.4
Mean number of anglers per party	2.9	2.5	1.8	2.7
Target Species				
- Chinook	7	1	-	8
- Anything	404	197	80	681
Harvested Catch				
- Chinook	5	6	-	11
- Chinook jack	9	-	1	10
- Coho	2	4	-	6
- Coho jack	-	11	-	11
- Steelhead	-	-	4	4
- Cutthroat	-	3	-	3
Released Catch				
- Chinook	-	-	-	0
- Chum	1	2	-	3
- Pink	39	15	-	54
- Steelhead	1	-	-	1
Inspection of Catch				
- Number	12	24	6	42
- Number correct	12	24	6	42
Gear				
- Bait	5	1	2	8
- Lure	361	174	70	605
- Bait/Lure	45	23	8	76

Appendix 23b. Interview responses by month at Wing Dam Bar in the 1986 lower Fraser River sport fishery.

	May	Aug	Sep	Oct	Nov	Total
Number of Interviews	17	125	545	439	45	1,171
Mean Angler Day Length (hr.)						
- All anglers	5.1	10.3	9.5	9.8	6.5	9.5
- Complete trip interviews						
Number	14	25	175	144	20	378
Hours	5.4	3.5	6.6	7.2	4.3	6.5
- Incomplete trip interviews						
Number	3	100	370	295	25	793
Hours	3.6	12.1	10.9	11.1	8.3	11.0
Mean number of anglers per party	1.2	1.0	2.0	1.1	2.2	1.6
Target Species						
- Sturgeon	2	-	-	-	-	2
- Anything	15	125	545	439	45	1,169
Harvested Catch						
- Chinook	-	1	16	10	-	27
- Chinook jack	-	11	58	3	-	72
- Coho	-	-	1	4	5	10
- Coho jack	-	-	4	3	-	7
- Chum	-	-	-	-	1	1
- Steelhead	-	-	-	4	-	4
- Cutthroat	1	-	-	-	1	2
Released Catch						
- Chinook	2	1	-	1	-	4
- Coho	-	-	1	-	-	1
- Chum	-	-	-	6	-	6
- Steelhead	1	-	-	2	-	3
Inspection of Catch						
- Number	3	6	23	12	1	45
- Number correct	3	6	23	12	1	45
Gear						
- Bait	4	1	14	1	0	20
- Lure	11	45	356	434	45	891
- Bait/Lure	2	79	175	3	0	259
In B.C. for Expo-86	0	0	0	0	0	0

Appendix 23c. Interview responses by month at Wing Dam Bar in the 1987-88 lower Fraser River sport fishery.

	1987				1988				
	Sep	Oct	Nov	Total	Jul	Aug	Sep	Oct	Total
Number of Interviews	361	273	45	679	107	115	312	156	690
Mean Angler Day Length (hr.)									
- All anglers	12.0	9.8	7.7	10.8	7.6	12.7	15.9	9.2	12.6
- Complete trip interviews									
Number	67	79	15	161	67	37	42	70	216
Hours	7.6	7.8	5.7	7.5	6.1	7.0	8.5	6.5	6.9
- Incomplete trip interviews									
Number	294	194	30	518	40	78	270	86	474
Hours	13.0	10.6	8.7	11.9	10.0	15.4	17.0	11.4	15.1
Mean number of anglers per party	2.5	2.2	2.9	2.4	2.1	2.2	4.0	2.2	3.0
Target Species									
- Chinook	29	16	-	45	39	1	-	-	40
- Coho	-	2	-	2	-	-	-	-	0
- Coho jack	7	-	-	7	-	-	-	-	0
- Chum	1	1	-	2	-	-	-	-	0
- Steelhead	-	16	-	16	-	-	-	-	0
- Cutthroat	5	-	-	5	-	-	-	-	0
- Anything	319	237	45	601	68	114	312	156	650
Harvested Catch									
- Chinook	16	3	-	19	38	5	17	2	62
- Chinook jack	8	-	-	8	6	-	11	3	20
- Coho	2	7	1	10	-	-	5	3	8
- Coho jack	1	2	-	3	-	-	1	8	9
- Steelhead	-	1	-	1	-	1	2	1	4
- Rainbow	-	-	-	0	2	-	-	-	2
- Cutthroat	-	2	-	2	-	-	-	1	1
- Dolly Varden	-	1	-	1	-	-	-	-	0
- Whitefish	-	1	-	1	-	-	-	-	0
Released Catch									
- Chum	1	5	-	6	-	-	-	-	0
- Pink	21	19	-	40	-	-	-	-	0
- Rainbow	-	-	-	0	1	-	-	-	1
- Cutthroat	-	-	-	0	-	-	1	-	1
Inspection of Catch									
- Number	18	7	1	26	36	5	21	2	64
- Number correct	18	7	1	26	36	5	21	2	64
Gear									
- Bait	5	15	0	20	11	3	12	126	152
- Lure	149	200	27	376	52	67	131	19	269
- Bait/Lure	207	58	18	283	44	42	169	11	266

Appendix 23d. Angler effort, number of interviews and estimated harvest by species and month at Wing Dam Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b											
				Chinook		Coho									
				Adult	Jack	Adult	Jack	Pink	Sockeye	Chum	Cutthroat	Steelhead	Rainbow	Dolly Varden	Sturgeon
1985	Sep	18,647	411	23	37	14	0	0	0	0	0	0	0	0	0
	Oct	11,132	198	77	0	13	48	0	0	0	33	0	0	0	0
	Nov	2,372	80	0	5	0	0	0	0	0	0	27	0	0	0
	Total	32,151	689	100	42	27	48	0	0	0	33	27	0	0	0
1986	May	130	17	0	0	0	0	0	0	0	3	0	0	0	0
	Jun	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	94	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	1,963	125	5	29	0	0	0	0	0	0	0	0	0	0
	Sep	12,017	545	57	199	3	24	0	0	0	0	0	0	0	0
	Oct	12,036	439	45	10	14	12	0	0	0	0	14	0	0	0
	Nov	2,423	45	0	0	9	0	0	0	19	3	0	0	0	0
	Dec	448	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	29,111	1,171	107	238	26	36	0	0	19	6	14	0	0	0
1987	Mar	129	0	-	-	-	-	-	-	-	-	-	-	-	-
	Apr	206	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	2,257	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	4,251	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	18,927	361	92	45	6	9	0	0	0	0	0	0	0	0
	Oct	6,772	273	13	0	21	8	0	0	0	10	4	0	3	0
	Nov	1,555	45	0	0	5	0	0	0	0	0	0	0	0	0
	Dec	55	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	34,151	679	105	45	32	17	0	0	0	10	4	0	3	0
1988	Apr	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	185	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	68	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	2,151	107	86	18	0	0	0	0	0	0	3	0	0	0
	Aug	3,582	115	19	0	0	0	0	0	0	0	2	0	0	0
	Sep	13,992	312	79	42	16	2	0	0	0	0	14	0	0	0
	Oct	7,891	156	10	20	20	64	0	0	0	10	4	0	0	0
	Nov	2,250	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	190	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	30,309	690	194	80	36	66	0	0	0	10	23	0	0	0

a. Angler effort during the unsurveyed months was estimated from the Wing Dam Bar mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 23e. Estimated release by species and month at Wing Dam Bar in the 1985-88 lower Fraser River sport fishery.

		Release a												
		Chinook		Coho										
Year	Month	Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon	Un-known
1985	Sep	0	0	0	0	192	0	5	0	3	0	0	0	0
	Oct	0	0	0	0	104	0	48	0	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	May	3	0	0	0	0	0	0	0	2	0	0	0	0
	Aug	3	0	0	0	0	0	0	0	0	0	0	0	0
	Sep	0	0	7	0	0	0	0	0	0	0	0	0	0
	Oct	2	0	0	0	0	0	31	0	5	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Sep	0	0	0	0	90	0	5	0	0	0	0	0	0
	Oct	0	0	0	0	42	0	19	0	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Jul	0	0	0	0	0	0	0	0	0	7	0	0	0
	Aug	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sep	0	0	0	0	0	0	0	2	0	0	0	0	0
	Oct	0	0	0	0	0	0	0	0	0	0	0	0	0

a. Release was estimated only during months when a surveyor was stationed at the bar.

Appendix 23f. Estimated harvest, by month, species and mark type, at Wing Dam Bar in the 1985-88 lower Fraser River sport fishery. a

Year	Month	Chinook jack AFC	Coho adult AFC	Coho jack RPC	Steel-head AFC
1985	Sep	9	10	0	0
	Oct	0	0	5	0
	Nov	0	0	0	0
1986	May	0	0	0	0
	Aug	6	0	0	0
	Sep	0	3	0	0
	Oct	0	0	0	0
	Nov	0	0	0	0
1987	Sep	0	0	0	0
	Oct	0	0	0	0
	Nov	0	0	0	0
1988	Jul	0	0	0	0
	Aug	0	0	0	0
	Sep	0	9	0	7
	Oct	0	0	0	0

a. Abbreviations are: AFC - adipose fin clip;
RPC - right pelvic fin clip;

Appendix 23g. Mean proportion of daily angler effort per hour, by month and day type, at Wing Dam Bar in the 1985-88 lower Fraser River sport fishery.

Day type	Hour	1985			1986					1987		
		Sep	Oct	Nov	May	Aug	Sep	Oct	Nov	Sep	Oct	Nov
Weekday	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.2%	0.2%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.9%	0.6%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.4%	0.2%	0.0%
	6:00	2.6%	2.4%	0.6%	0.0%	0.0%	1.3%	0.9%	0.4%	2.9%	2.9%	1.5%
	7:00	4.3%	5.1%	2.8%	0.0%	0.3%	3.7%	2.7%	3.0%	6.1%	6.6%	3.7%
	8:00	5.8%	8.9%	4.0%	2.2%	1.6%	5.1%	5.5%	6.8%	7.4%	8.1%	5.1%
	9:00	7.9%	10.9%	8.9%	4.4%	2.6%	6.3%	6.2%	6.8%	7.4%	9.5%	9.7%
	10:00	8.4%	11.4%	10.2%	6.6%	2.6%	6.6%	6.5%	9.6%	7.8%	9.5%	11.0%
	11:00	9.5%	8.4%	11.3%	6.6%	2.9%	6.7%	8.3%	11.8%	7.4%	8.1%	11.0%
	12:00	8.0%	8.2%	12.3%	4.4%	5.8%	7.3%	8.4%	11.4%	6.3%	8.1%	11.8%
	13:00	8.0%	8.1%	11.9%	6.6%	6.7%	8.1%	7.9%	12.3%	6.1%	8.0%	11.8%
	14:00	8.0%	8.3%	11.3%	6.6%	7.0%	8.4%	8.1%	11.8%	6.3%	8.6%	11.0%
	15:00	8.0%	7.7%	10.9%	5.5%	7.4%	7.8%	7.9%	11.4%	6.4%	8.3%	7.6%
	16:00	5.9%	5.2%	10.2%	8.8%	9.1%	7.8%	9.0%	9.1%	6.2%	6.1%	8.5%
	17:00	6.0%	4.9%	5.1%	8.8%	8.3%	7.0%	8.4%	5.5%	6.5%	5.7%	5.1%
	18:00	6.1%	4.7%	0.5%	8.8%	8.6%	6.4%	8.5%	0.0%	6.9%	5.4%	2.1%
	19:00	5.9%	3.9%	0.0%	11.0%	8.6%	6.5%	8.3%	0.0%	6.3%	3.7%	0.0%
	20:00	3.1%	1.1%	0.0%	11.0%	8.6%	6.6%	3.0%	0.0%	5.3%	1.2%	0.0%
	21:00	1.1%	0.1%	0.0%	5.5%	6.9%	2.2%	0.3%	0.0%	2.7%	0.1%	0.0%
	22:00	0.4%	0.0%	0.0%	2.8%	5.6%	0.7%	0.0%	0.0%	1.2%	0.0%	0.0%
	23:00	0.1%	0.0%	0.0%	0.0%	5.1%	0.7%	0.0%	0.0%	0.3%	0.0%	0.0%
	24:00	0.0%	0.0%	0.0%	0.0%	2.6%	0.4%	0.0%	0.0%	0.1%	0.0%	0.0%
Weekend	2:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.5%	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%	0.0%	0.2%	0.3%	0.0%
	6:00	1.7%	2.2%	0.7%	0.0%	0.0%	2.7%	1.0%	0.0%	2.7%	1.8%	0.0%
	7:00	3.2%	6.2%	4.3%	0.0%	1.3%	6.3%	3.5%	3.8%	5.4%	5.6%	0.0%
	8:00	5.4%	9.4%	8.6%	3.8%	2.6%	8.2%	7.3%	8.8%	6.5%	6.0%	0.0%
	9:00	6.3%	12.1%	9.6%	3.8%	7.8%	8.2%	7.6%	8.2%	6.9%	7.4%	9.4%
	10:00	7.2%	13.6%	10.0%	7.7%	8.4%	8.9%	8.4%	9.5%	7.2%	7.9%	9.4%
	11:00	7.4%	10.2%	8.9%	7.7%	9.1%	8.5%	9.0%	11.0%	7.2%	8.8%	9.4%
	12:00	8.3%	10.3%	10.7%	3.8%	8.8%	8.2%	9.2%	11.4%	7.2%	9.1%	11.7%
	13:00	8.1%	10.0%	10.7%	7.7%	9.4%	8.2%	9.3%	11.0%	7.2%	8.7%	11.7%
	14:00	8.0%	9.4%	11.4%	9.6%	9.4%	7.9%	8.8%	11.4%	7.4%	8.1%	10.5%
	15:00	7.9%	9.1%	8.9%	9.6%	8.1%	6.1%	8.6%	10.4%	7.2%	7.3%	9.4%
	16:00	8.3%	3.1%	9.3%	15.4%	4.5%	5.1%	7.4%	8.2%	7.0%	7.9%	9.4%
	17:00	7.7%	2.8%	5.0%	11.5%	4.5%	5.1%	6.6%	6.3%	7.0%	7.0%	14.0%
	18:00	6.9%	1.7%	1.9%	11.5%	4.5%	4.5%	5.6%	0.0%	7.2%	6.3%	5.3%
	19:00	6.8%	0.0%	0.0%	7.7%	4.5%	4.6%	5.8%	0.0%	7.0%	5.5%	0.0%
	20:00	4.9%	0.0%	0.0%	0.0%	4.2%	4.6%	1.6%	0.0%	6.2%	2.1%	0.0%
	21:00	1.2%	0.0%	0.0%	0.0%	3.6%	2.0%	0.0%	0.0%	0.7%	0.4%	0.0%
	22:00	0.0%	0.0%	0.0%	0.0%	3.6%	0.6%	0.0%	0.0%	0.0%	0.1%	0.0%
	23:00	0.0%	0.0%	0.0%	0.0%	3.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
	24:00	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Continued

Appendix 23g. Mean proportion of daily angler effort per hour, by month and day type, at Wing Dam Bar in the 1985-88 lower Fraser River sport fishery, continued.

Day type	Hour	1988			
		Jul	Aug	Sep	Oct
Weekday	3:00	0.0%	6.0%	3.4%	0.0%
	4:00	0.0%	2.4%	1.3%	0.0%
	5:00	0.0%	2.4%	1.3%	0.2%
	6:00	0.0%	2.7%	1.5%	1.0%
	7:00	0.0%	3.2%	2.0%	2.8%
	8:00	0.0%	4.6%	4.0%	5.1%
	9:00	0.0%	5.5%	4.4%	7.4%
	10:00	3.7%	5.5%	4.7%	7.6%
	11:00	3.7%	5.9%	5.2%	8.2%
	12:00	7.3%	5.9%	5.0%	7.7%
	13:00	9.2%	6.4%	6.1%	7.5%
	14:00	9.2%	6.2%	6.3%	7.1%
	15:00	9.2%	6.6%	6.6%	7.1%
	16:00	11.0%	7.3%	6.8%	8.3%
	17:00	7.3%	5.9%	6.6%	8.3%
	18:00	7.3%	4.6%	6.6%	7.6%
	19:00	7.3%	4.6%	6.2%	7.0%
	20:00	5.5%	4.1%	6.1%	3.7%
	21:00	5.5%	3.2%	5.1%	1.6%
	22:00	5.5%	2.9%	4.4%	1.2%
	23:00	5.5%	2.9%	4.2%	0.5%
	24:00	2.8%	1.5%	2.1%	0.0%
Weekend	2:00	0.0%	1.3%	8.0%	0.6%
	3:00	0.0%	0.8%	5.2%	0.4%
	4:00	0.0%	0.8%	5.3%	0.4%
	5:00	0.0%	0.8%	5.4%	0.4%
	6:00	0.0%	0.8%	5.7%	0.4%
	7:00	0.0%	0.9%	6.5%	3.3%
	8:00	0.0%	2.1%	8.3%	6.7%
	9:00	0.5%	4.6%	8.8%	8.3%
	10:00	1.0%	4.6%	8.8%	9.8%
	11:00	1.6%	5.7%	8.8%	11.0%
	12:00	1.6%	5.7%	7.3%	11.4%
	13:00	10.0%	7.1%	7.3%	9.7%
	14:00	7.9%	7.0%	6.8%	9.1%
	15:00	7.7%	6.4%	6.7%	8.1%
	16:00	11.4%	8.3%	1.2%	6.8%
	17:00	9.3%	7.8%	0.0%	5.4%
	18:00	9.0%	6.9%	0.0%	3.3%
	19:00	8.3%	6.1%	0.0%	3.3%
	20:00	8.3%	5.8%	0.0%	1.5%
	21:00	8.3%	5.5%	0.0%	0.0%
	22:00	6.6%	4.7%	0.0%	0.0%
	23:00	5.7%	4.3%	0.0%	0.0%
	24:00	2.8%	2.2%	0.0%	0.0%

REGION 4 SITES: HARRISON RIVER TO COQUIHALLA RIVER

Appendix 24a. Interview responses by month at Ferry Island Bar in the 1985-86 lower Fraser River sport fishery.

	1985				1986					
	Sep	Oct	Nov	Total	Aug	Sep	Oct	Nov	Dec	Total
Number of Interviews	190	162	42	394	48	86	86	18	6	244
Mean Angler Day Length (hr.)										
- All anglers	6.0	5.3	4.0	5.5	5.1	4.6	6.3	2.3	1.0	5.0
- Complete trip interviews										
Number	127	100	24	251	37	65	39	11	6	158
Hours	5.2	4.9	3.2	4.9	5.3	4.4	3.8	2.0	1.0	4.2
- Incomplete trip interviews										
Number	63	62	18	143	11	21	47	7	0.0	86
Hours	7.8	7.0	5.0	7.1	4.5	5.4	8.4	2.9	-	6.7
Mean number of anglers per party	1.6	2.0	1.6	1.8	1.5	1.4	3.4	1.4	1.7	2.1
Target Species										
- Chinook	12	8	-	20	-	4	-	-	-	4
- Chinook jack	-	8	-	8	15	22	-	-	-	37
- Coho	12	15	12	39	-	-	-	-	-	0
- Coho jack	3	-	-	3	1	-	-	-	-	1
- Steelhead	68	32	10	110	3	4	-	-	-	7
- Anything	95	99	20	214	29	56	86	18	6	195
Harvested Catch										
- Chinook jack	2	-	-	2	3	3	-	-	-	6
- Coho	1	-	1	2	-	2	1	-	-	3
- Coho jack	1	-	-	1	-	-	-	-	-	0
- Steelhead	-	-	1	1	-	1	-	-	-	1
- Dolly Varden	-	-	-	0	1	1	-	-	-	2
Released Catch										
- Pink	89	59	-	148	-	-	-	-	-	0
- Chum	-	-	-	0	-	-	1	-	-	1
- Steelhead	-	-	-	0	-	-	4	-	-	4
Inspection of Catch										
- Number	3	0	1	4	4	3	1	0	0	8
- Number correct	3	-	1	4	4	3	1	-	-	8
Gear										
- Bait	15	3	1	19	7	6	5	1	6	25
- Lure	135	140	34	309	25	52	47	10	0	134
- Bait/Lure	40	19	7	66	16	28	34	7	0	85
In B.C. for Expo-86	-	-	-	-	0	0	0	0	0	0

Appendix 24b. Interview responses by month at Ferry Island Bar in the 1987 lower Fraser River sport fishery.

	Aug	Sep	Oct	Nov	Dec	Total
Number of Interviews	26	30	76	30	16	178
Mean Angler Day Length (hr.)						
- All anglers	6.4	4.8	7.0	4.9	3.6	5.9
- Complete trip interviews						
Number	12	20	37	21	14	104
Hours	5.0	4.4	4.2	4.5	3.6	4.3
- Incomplete trip interviews						
Number	14	10	39	9	2	74
Hours	7.6	5.5	9.7	5.2	3.5	8.0
Mean number of anglers per party	2.3	1.4	3.5	1.2	1.3	2.4
Target Species						
- Chinook	9	1	-	-	-	10
- Chinook jack	4	-	-	-	-	4
- Coho	6	1	4	-	-	11
- Coho jack	2	-	-	-	-	2
- Steelhead	-	-	12	11	4	27
- Cutthroat	-	-	-	1	9	10
- Anything	5	28	60	18	3	114
Harvested Catch						
- Coho	1	2	-	-	-	3
- Steelhead	-	-	1	-	-	1
Released Catch						
- Pink	-	1	4	-	-	5
- Steelhead	-	-	-	1	-	1
Inspection of Catch						
- Number	1	0	1	1	0	3
- Number correct	1	-	1	1	-	3
Gear						
- Bait	2	0	0	0	7	9
- Lure	10	23	57	0	5	95
- Bait/Lure	14	7	19	0	4	44

Appendix 24c. Angler effort, number of interviews and estimated harvest by species and month at Ferry Island Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b											
				Chinook		Coho									
				Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon
1985	Sep	3,754	190	0	5	3	3	0	0	0	0	0	0	0	0
	Oct	2,628	162	0	0	0	0	0	0	0	0	0	0	0	0
	Nov	498	42	0	0	7	0	0	0	0	0	4	0	0	0
	Total	6,880	394	0	5	10	3	0	0	0	0	4	0	0	0
1986	May	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	468	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	1,760	48	0	17	0	0	0	0	0	0	0	0	10	0
	Sep	3,024	86	0	112	18	0	0	0	0	0	2	0	5	0
	Oct	2,209	86	0	0	5	0	0	0	0	0	0	0	0	0
	Nov	173	18	0	0	0	0	0	0	0	0	0	0	0	0
	Dec	31	6	0	0	0	0	0	0	0	0	0	0	0	0
	Total	7,665	244	0	129	23	0	0	0	0	0	2	0	15	0
1987	Mar	35	0	-	-	-	-	-	-	-	-	-	-	-	-
	Apr	272	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	385	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	1,581	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	1,173	26	0	0	7	0	0	0	0	0	0	0	0	0
	Sep	1,196	30	0	0	9	0	0	0	0	0	0	0	0	0
	Oct	3,544	76	0	0	0	0	0	0	0	0	35	0	0	0
	Nov	659	30	0	0	0	0	0	0	0	0	0	0	0	0
	Dec	209	16	0	0	0	0	0	0	0	0	0	0	0	0
	Total	9,054	178	0	0	16	0	0	0	0	0	35	0	0	0
1988	Apr	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	52	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	2,125	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	1,598	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	1,635	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	2,803	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	663	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	63	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	8,940	0	0	0	0	0	0	0	0	0	0	0	0	0

a. Angler effort during the unsurveyed months was estimated from the Ferry Island Bar mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 24d. Estimated release by species and month at Ferry Island Bar in the 1985-87 lower Fraser River sport fishery.

		Release a												
		Chinook		Coho										
Year	Month	Adult	Jack	Adult	Jack	Pink	Sock-eye	Chum	Cut-throat	Steel-head	Rain-bow	Dolly Varden	Stur-geon	Un-known
1985	Sep	0	0	0	0	413	0	0	0	0	0	0	0	0
	Oct	0	0	0	0	258	0	0	0	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Aug	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sep	16	0	0	0	0	0	0	0	0	0	0	0	0
	Oct	0	0	0	0	0	0	6	0	15	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Aug	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sep	0	0	0	0	9	0	0	0	0	0	0	0	0
	Oct	0	0	0	0	37	0	0	0	0	0	0	0	0
	Nov	0	0	0	0	0	0	0	0	5	0	0	0	0
	Dec	0	0	0	0	0	0	0	0	0	0	0	0	0

a. Harvest was estimated only during months when a surveyor was stationed at the bar.

Appendix 24e. Estimated harvest, by month, species and mark type, at Ferry Island Bar in the 1985-87 lower Fraser River sport fishery. a

Year	Month	Coho adult AFC	Coho jack AFC
1985	Sep	0	0
	Oct	0	0
	Nov	0	0
1986	Aug	0	0
	Sep	0	4
	Oct	0	0
	Nov	0	0
	Dec	0	0
1987	Aug	7	0
	Sep	0	0
	Oct	0	0
	Nov	0	0
	Dec	0	0

a. Abbreviations are: AFC - adipose fin clip;

Appendix 24f. Mean proportion of daily angler effort per hour, by month and day type, at Ferry Island Bar in the 1985-87 lower Fraser River sport fishery.

Day type	Hour	1985			1986				1987				
		Sep	Oct	Nov	Aug	Sep	Oct	Nov	Aug	Sep	Oct	Nov	Dec
Weekday	3:00	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.1%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.8%	0.2%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	6:00	1.4%	0.4%	0.0%	1.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	7:00	2.2%	1.0%	0.0%	3.5%	2.2%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%
	8:00	5.1%	3.9%	4.9%	4.8%	2.2%	0.0%	0.0%	2.2%	0.0%	4.5%	0.0%	0.0%
	9:00	8.5%	5.8%	2.0%	5.2%	3.3%	7.5%	0.0%	2.2%	5.6%	7.1%	5.3%	0.0%
	10:00	8.7%	8.1%	3.9%	6.9%	8.8%	8.6%	0.0%	2.2%	11.1%	5.8%	7.9%	4.2%
	11:00	9.8%	9.3%	10.8%	8.6%	9.9%	10.7%	0.0%	8.7%	5.6%	8.7%	10.5%	12.5%
	12:00	10.5%	9.9%	15.7%	10.0%	13.2%	10.2%	7.1%	10.9%	16.7%	9.0%	18.4%	20.8%
	13:00	10.2%	11.2%	16.7%	10.8%	14.3%	11.8%	16.7%	7.3%	13.9%	9.4%	21.1%	25.0%
	14:00	10.5%	10.7%	16.7%	7.7%	10.6%	13.9%	21.4%	10.2%	8.3%	11.0%	18.4%	20.8%
	15:00	7.4%	8.9%	15.7%	9.2%	8.1%	14.4%	31.0%	6.6%	11.1%	11.0%	13.2%	12.5%
	16:00	8.9%	8.1%	6.5%	4.6%	4.4%	7.5%	19.0%	4.4%	16.7%	12.9%	5.3%	4.2%
	17:00	4.9%	7.5%	4.9%	3.8%	4.4%	8.6%	4.8%	4.4%	5.6%	5.8%	0.0%	0.0%
	18:00	4.3%	6.8%	2.1%	6.2%	4.4%	3.2%	0.0%	6.6%	5.6%	5.8%	0.0%	0.0%
	19:00	3.3%	6.2%	0.0%	6.2%	4.4%	2.1%	0.0%	6.6%	0.0%	4.5%	0.0%	0.0%
	20:00	2.6%	2.0%	0.0%	8.5%	4.4%	1.1%	0.0%	6.6%	0.0%	2.0%	0.0%	0.0%
	21:00	1.0%	0.0%	0.0%	3.0%	2.1%	0.4%	0.0%	6.6%	0.0%	0.0%	0.0%	0.0%
	22:00	0.0%	0.0%	0.0%	0.0%	0.7%	0.2%	0.0%	6.6%	0.0%	0.0%	0.0%	0.0%
	23:00	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	5.7%	0.0%	0.0%	0.0%	0.0%
	24:00	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%
Weekend	2:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	3:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	4:00	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%
	5:00	0.5%	0.2%	0.0%	0.0%	0.2%	0.9%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%
	6:00	2.0%	1.5%	0.0%	0.3%	0.7%	1.8%	0.0%	2.4%	0.0%	0.1%	0.0%	0.0%
	7:00	3.1%	3.7%	0.0%	0.9%	1.8%	2.3%	0.0%	2.7%	1.4%	1.5%	0.3%	0.8%
	8:00	5.8%	7.4%	3.9%	2.6%	5.0%	5.7%	0.0%	4.5%	5.7%	3.5%	1.4%	3.1%
	9:00	7.1%	9.0%	4.7%	7.0%	6.4%	5.7%	0.0%	4.5%	5.7%	5.0%	9.6%	9.3%
	10:00	9.3%	9.0%	1.6%	12.2%	9.6%	5.7%	8.3%	4.5%	7.1%	6.9%	12.4%	9.3%
	11:00	12.5%	6.9%	12.6%	17.5%	12.1%	6.9%	0.0%	4.5%	7.1%	9.2%	14.4%	18.6%
	12:00	7.3%	8.0%	17.3%	18.1%	16.8%	7.1%	0.0%	7.2%	10.7%	7.7%	13.4%	15.5%
	13:00	7.3%	9.8%	20.5%	14.6%	16.0%	9.1%	0.0%	6.6%	7.9%	8.7%	11.5%	9.3%
	14:00	8.2%	10.4%	22.0%	12.8%	7.5%	9.7%	25.0%	10.2%	10.7%	8.9%	10.5%	15.5%
	15:00	7.8%	10.8%	17.3%	5.2%	7.7%	10.6%	58.3%	10.2%	9.3%	9.4%	11.5%	15.5%
	16:00	8.9%	8.6%	0.0%	3.5%	7.5%	9.1%	8.3%	9.0%	7.1%	9.9%	7.7%	3.1%
	17:00	7.1%	7.8%	0.0%	5.2%	5.3%	6.9%	0.0%	9.0%	7.1%	8.4%	5.7%	0.0%
	18:00	5.0%	3.7%	0.0%	0.0%	3.2%	9.1%	0.0%	5.4%	7.1%	8.9%	1.6%	0.0%
	19:00	3.9%	2.5%	0.0%	0.0%	0.0%	8.6%	0.0%	5.4%	7.1%	8.4%	0.0%	0.0%
	20:00	3.6%	0.8%	0.0%	0.0%	0.0%	0.8%	0.0%	5.4%	5.7%	2.9%	0.0%	0.0%
	21:00	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%	0.0%	0.6%	0.0%	0.0%
	22:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%
	23:00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Appendix 25a. Interview responses by month at Morrow's Bar in the 1985 lower Fraser River sport fishery.

	Sep	Total
Number of Interviews	5	5
Mean Angler Day Length (hr.)		
- All anglers	7.2	7.2
- Complete trip interviews		
Number	2	2
Hours	5.8	5.8
- Incomplete trip interviews		
Number	3	3
Hours	8.2	8.2
Mean number of anglers per party	2.6	2.6
Target Species		
- Coho jack	1	1
- Steelhead	2	2
- Cutthroat	2	2
Harvested Catch	-	0
Released Catch	-	0
Inspection of Catch		
- Number	0	0
- Number correct	-	-
Gear		
- Bait	3	3
- Bait/Lure	2	2

Appendix 25b. Angler effort, number of interviews and estimated harvest by species and month at Morrow's Bar in the 1985-88 lower Fraser River sport fishery.

Year	Month	Angler effort (hrs) a	No. of interviews	Harvest b											
				Chinook		Coho									
				Adult	Jack	Adult	Jack	Pink	Sockeye	Chum	Cutthroat	Steelhead	Rainbow	Dolly Varden	Sturgeon
1985	Sep	660	5	0	0	0	0	0	0	0	0	0	0	0	0
	Oct	1,052	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	1,712	5	0	0	0	0	0	0	0	0	0	0	0	0
1986	May	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	351	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	260	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	295	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	905	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Mar	35	0	-	-	-	-	-	-	-	-	-	-	-	-
	Apr	227	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	242	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	379	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	515	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	190	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	394	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	1,983	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Apr	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	May	93	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jun	0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Jul	818	0	-	-	-	-	-	-	-	-	-	-	-	-
	Aug	635	0	-	-	-	-	-	-	-	-	-	-	-	-
	Sep	1,279	0	-	-	-	-	-	-	-	-	-	-	-	-
	Oct	981	0	-	-	-	-	-	-	-	-	-	-	-	-
	Nov	116	0	-	-	-	-	-	-	-	-	-	-	-	-
	Dec	127	0	-	-	-	-	-	-	-	-	-	-	-	-
	Total	4,048	0	0	0	0	0	0	0	0	0	0	0	0	0

a. Angler effort during the unsurveyed months was estimated from the Morrow's Bar mean monthly rod count and the regional effort profile.

b. Harvest was estimated only during months when a surveyor was stationed at the bar.